**FIG - 2**

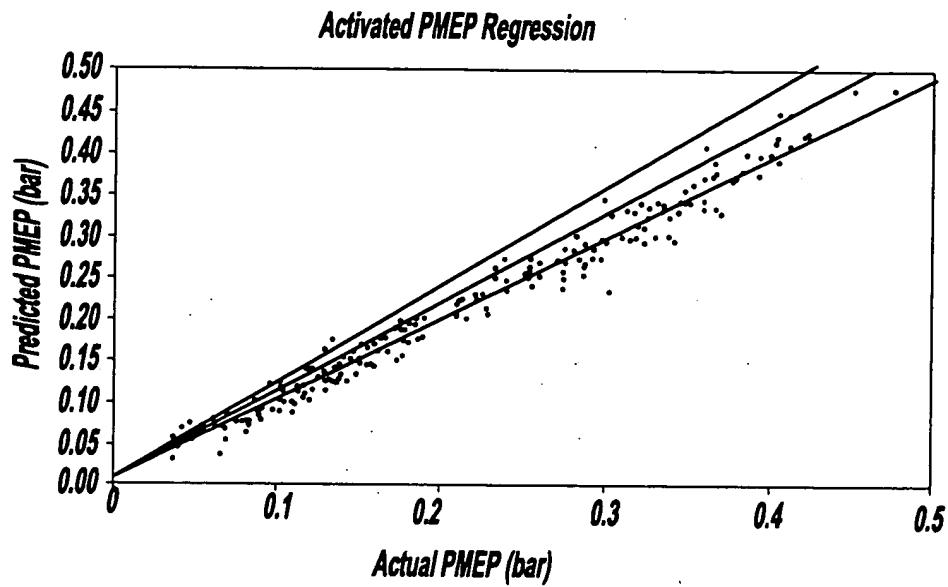


FIG - 3

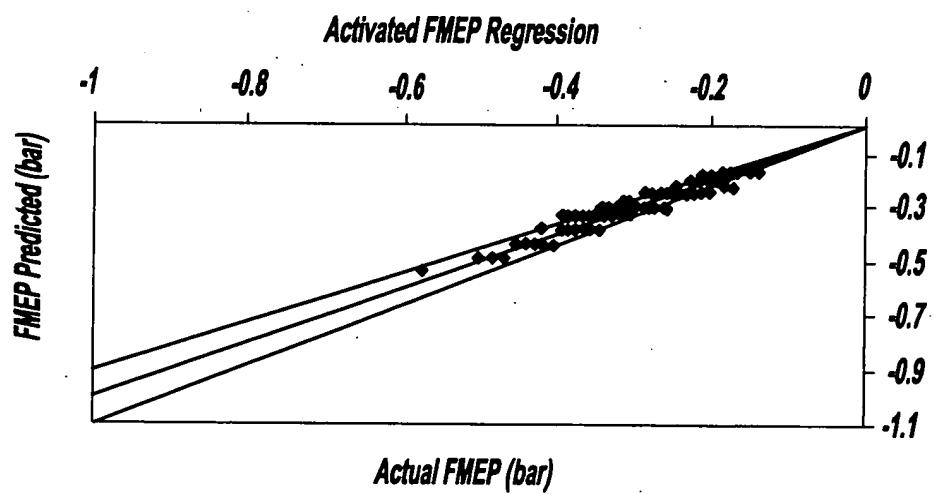


FIG - 4

Deactivated PMEP Regression

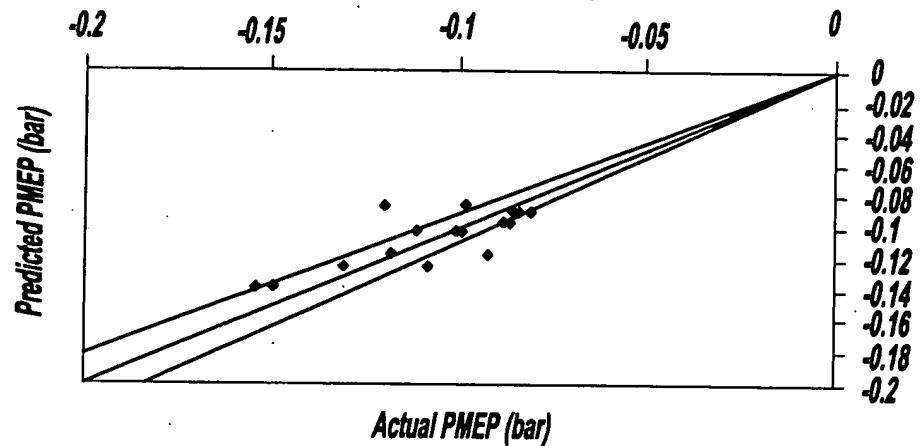


FIG - 5

Deactivated FMEP Regression

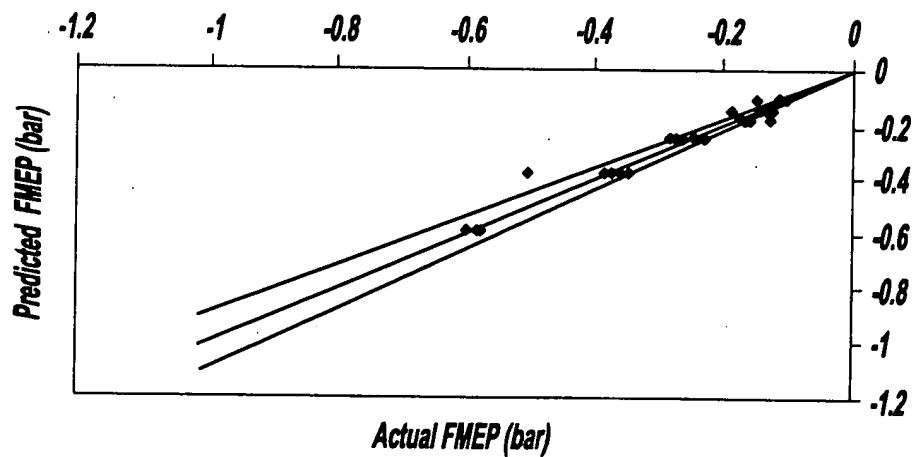


FIG - 6

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Spark Retard Torque Reduction Regression

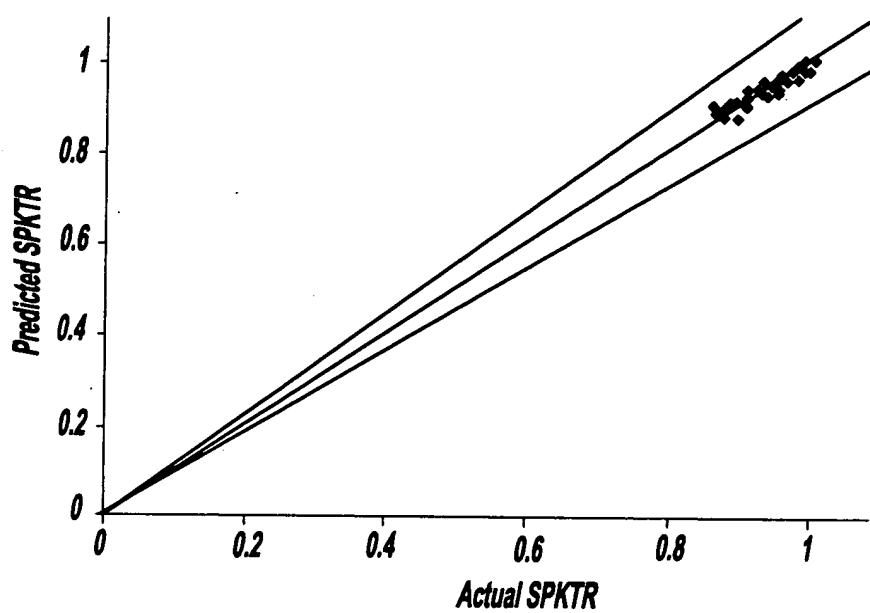


FIG - 7

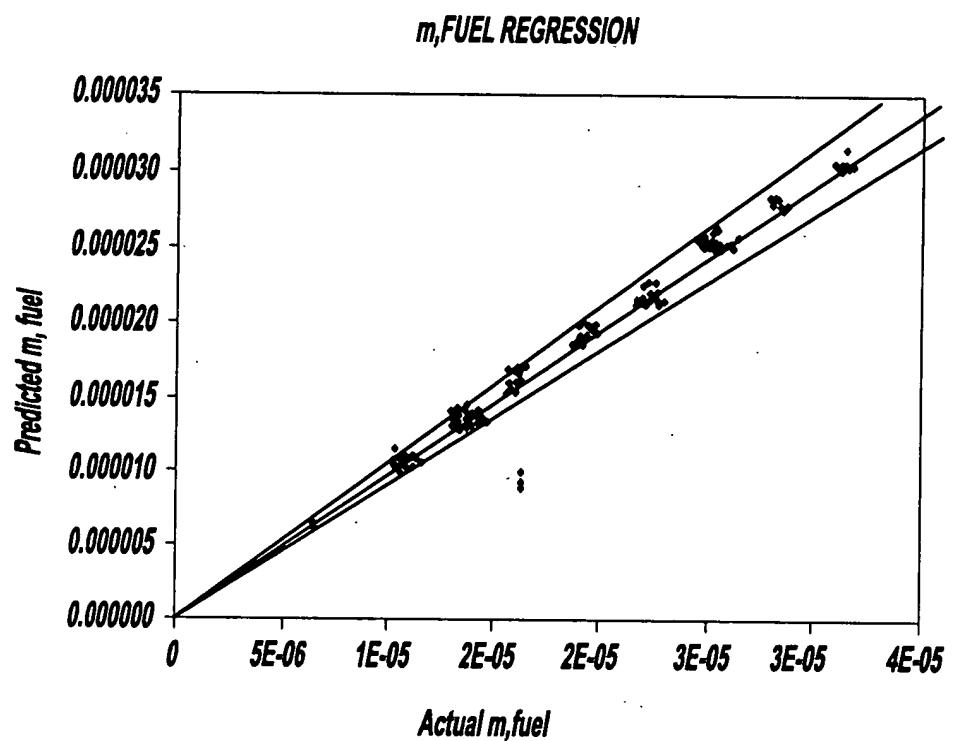


FIG - 8

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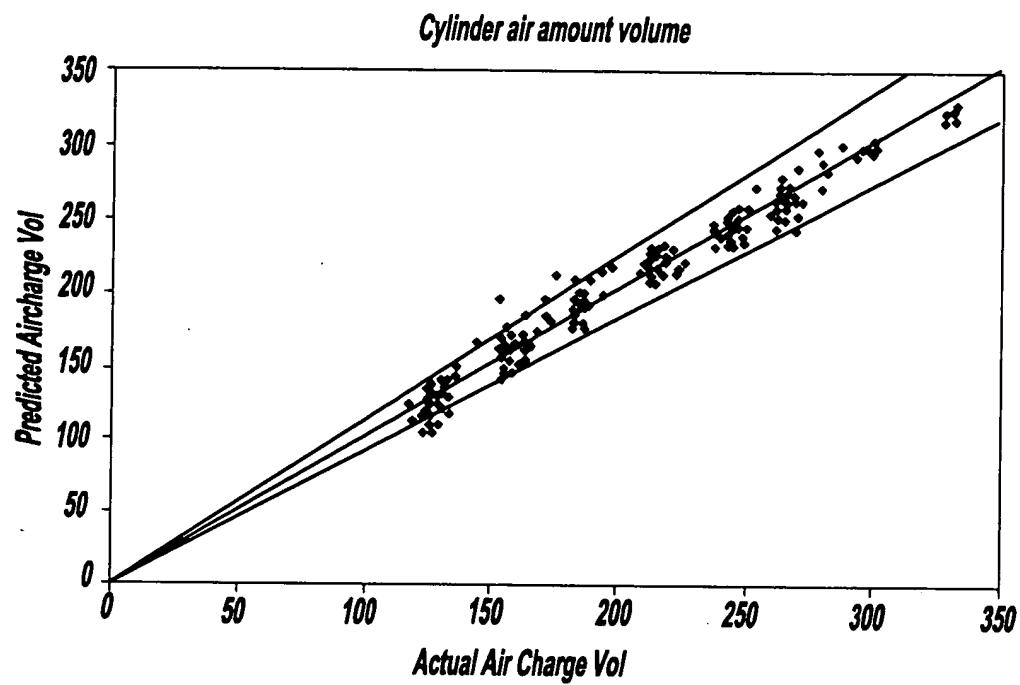


FIG - 9

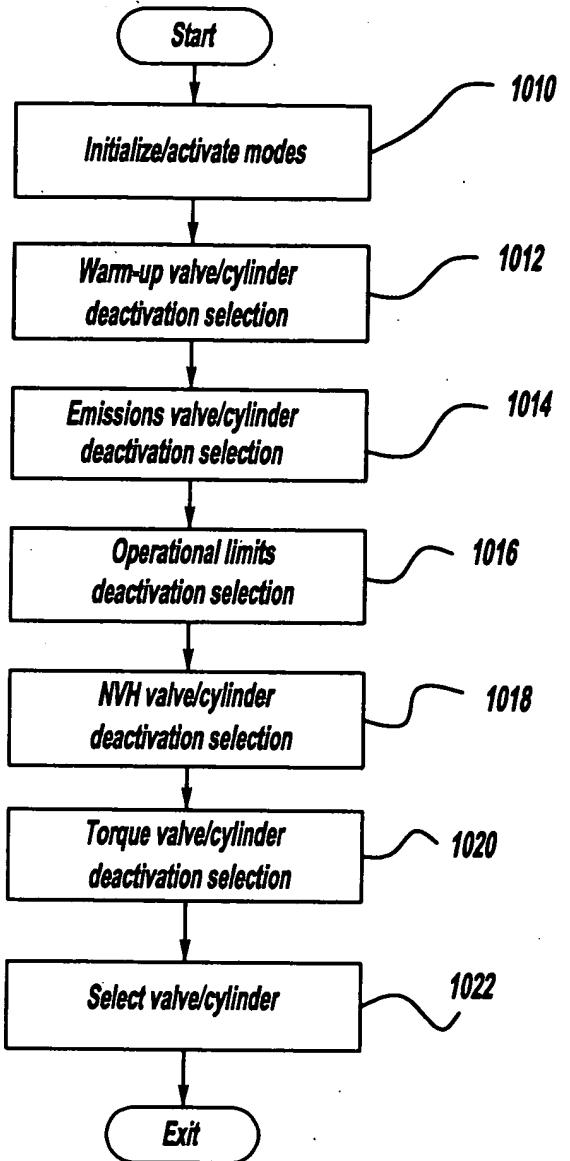


FIG - 10

	COLUMN 0	COLUMN 3		
V2	1	1	1	1
12-STROKE	1	1	1	1
V4	1	1	1	1
V8	1	1	1	1
DIDE DIAE AIDE AIAE				
— DECREASING TORQUE —				

FIG - 11

	COLUMN 0	COLUMN 3		
V2	0	0	0	0
12-STROKE	0	0	0	0
V4	1	1	0	0
V8	1	1	1	1
DIDE DIAE AIDE AIAE				
— DECREASING TORQUE —				

FIG - 12

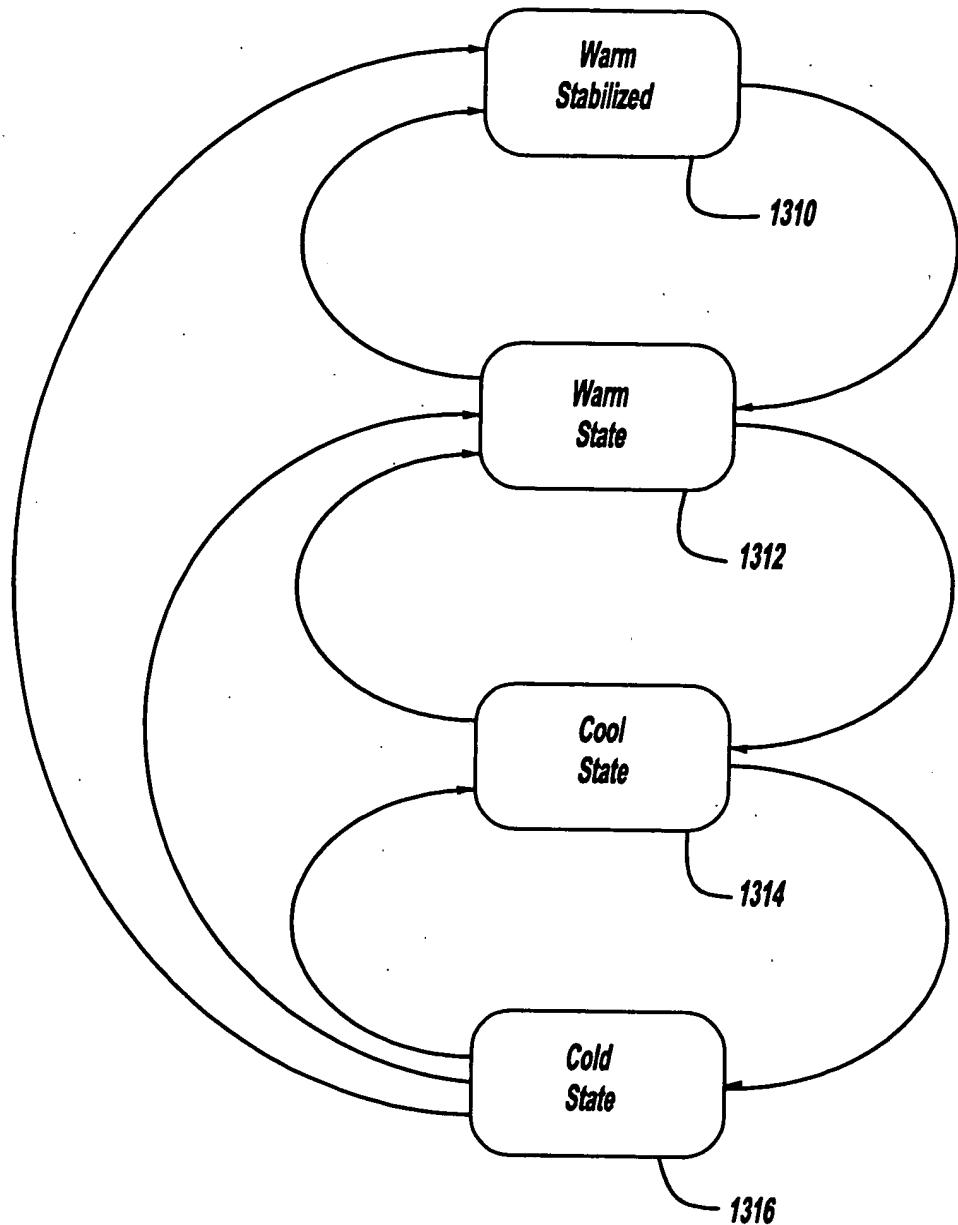
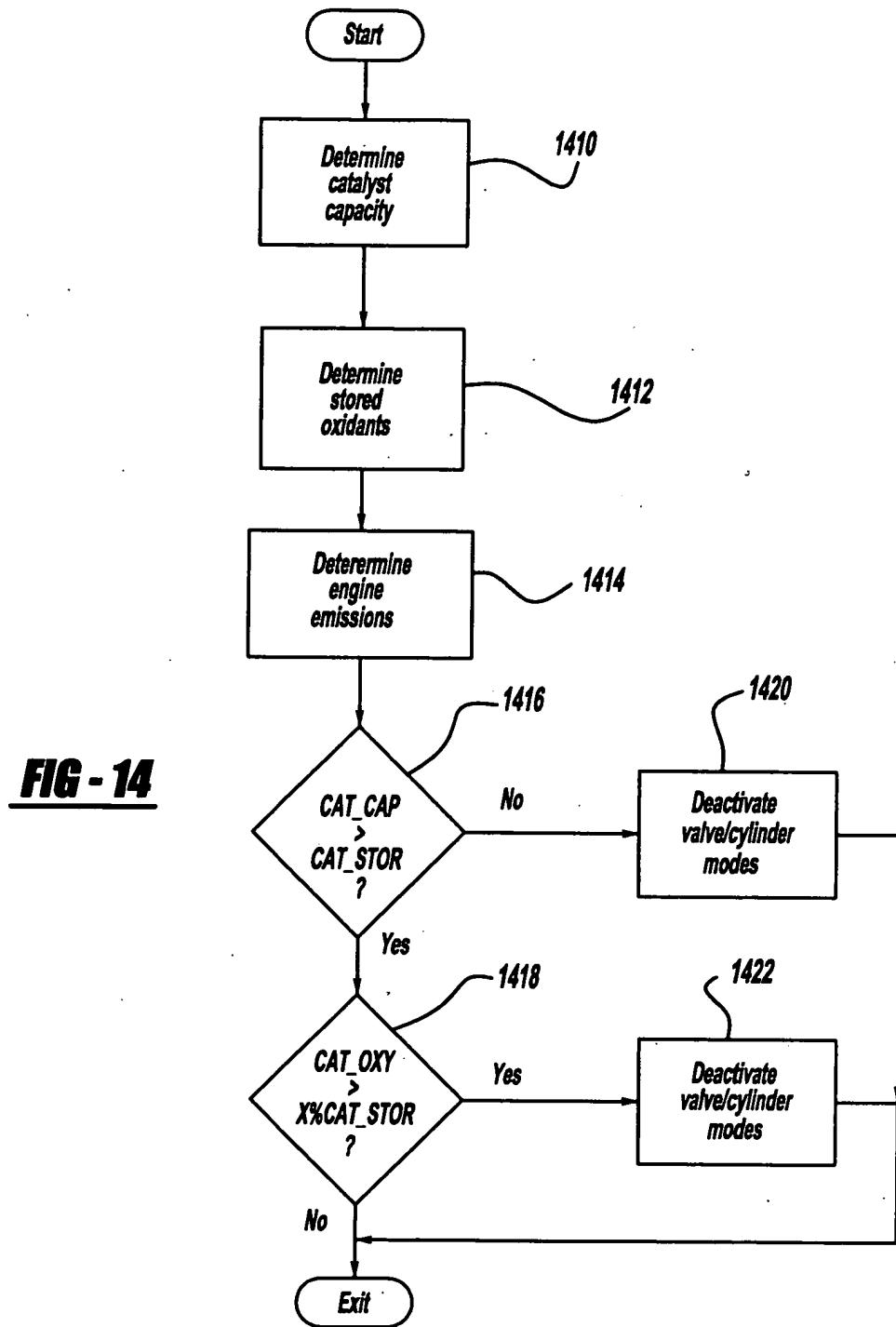
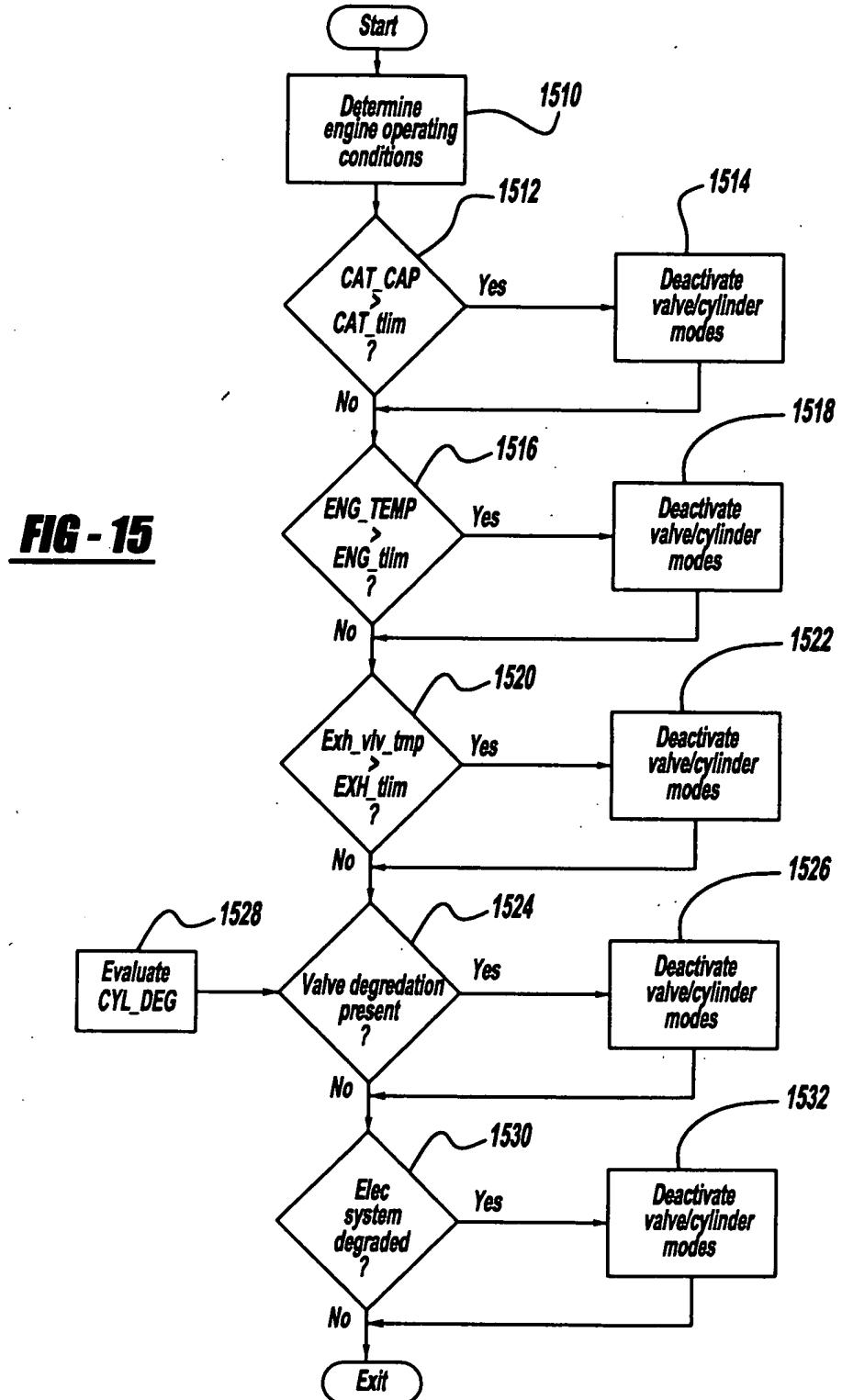


FIG - 13





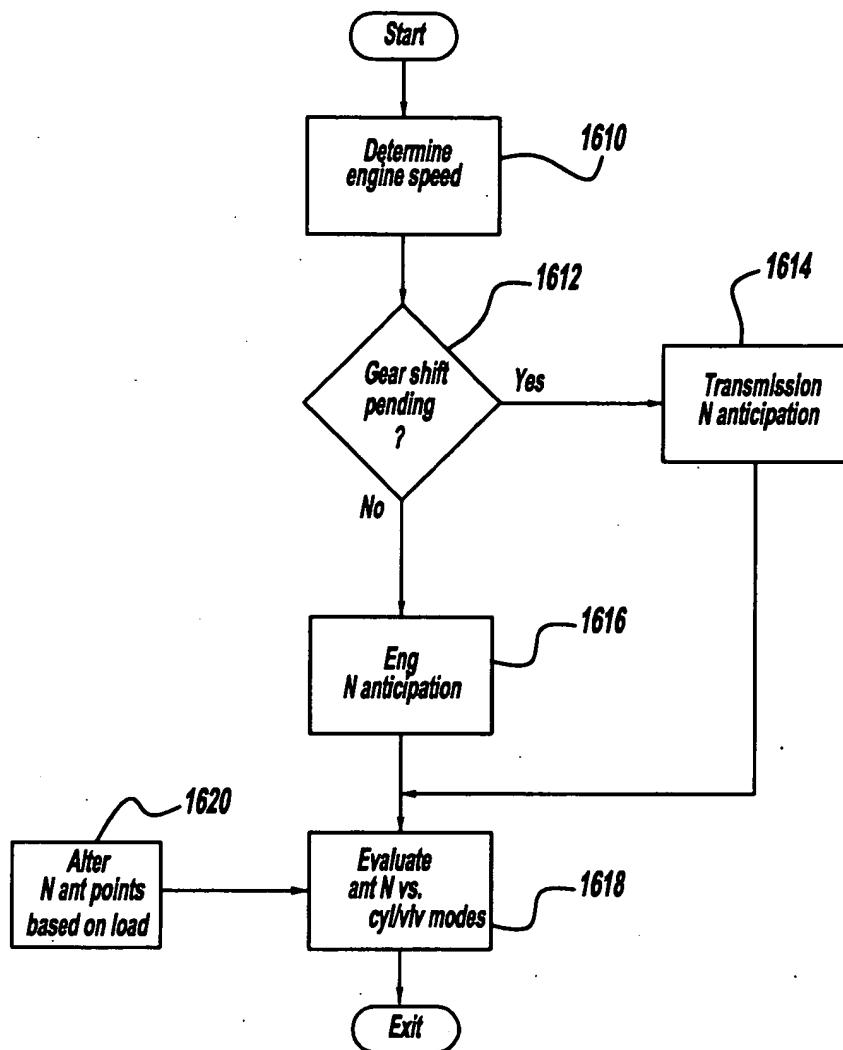


FIG - 16

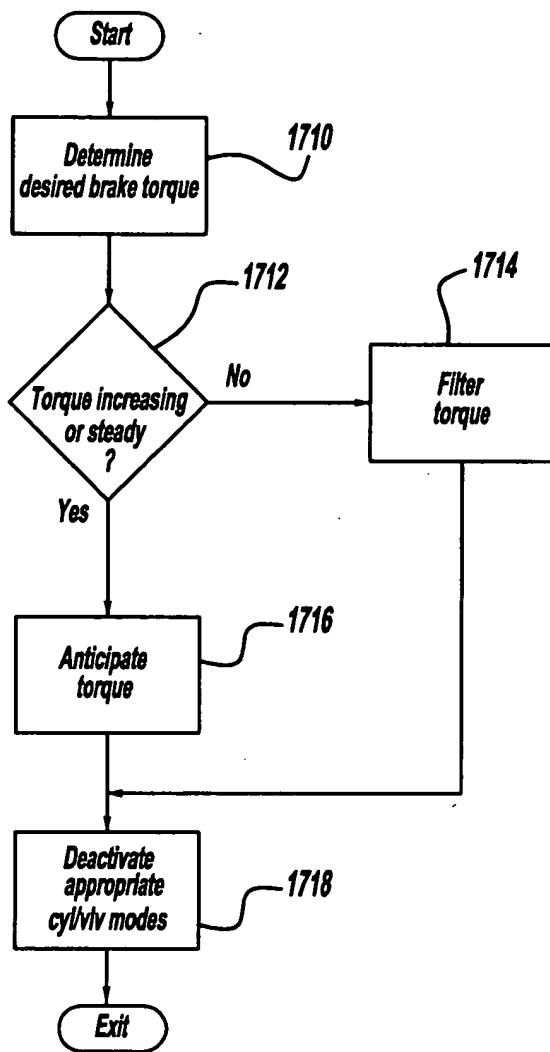
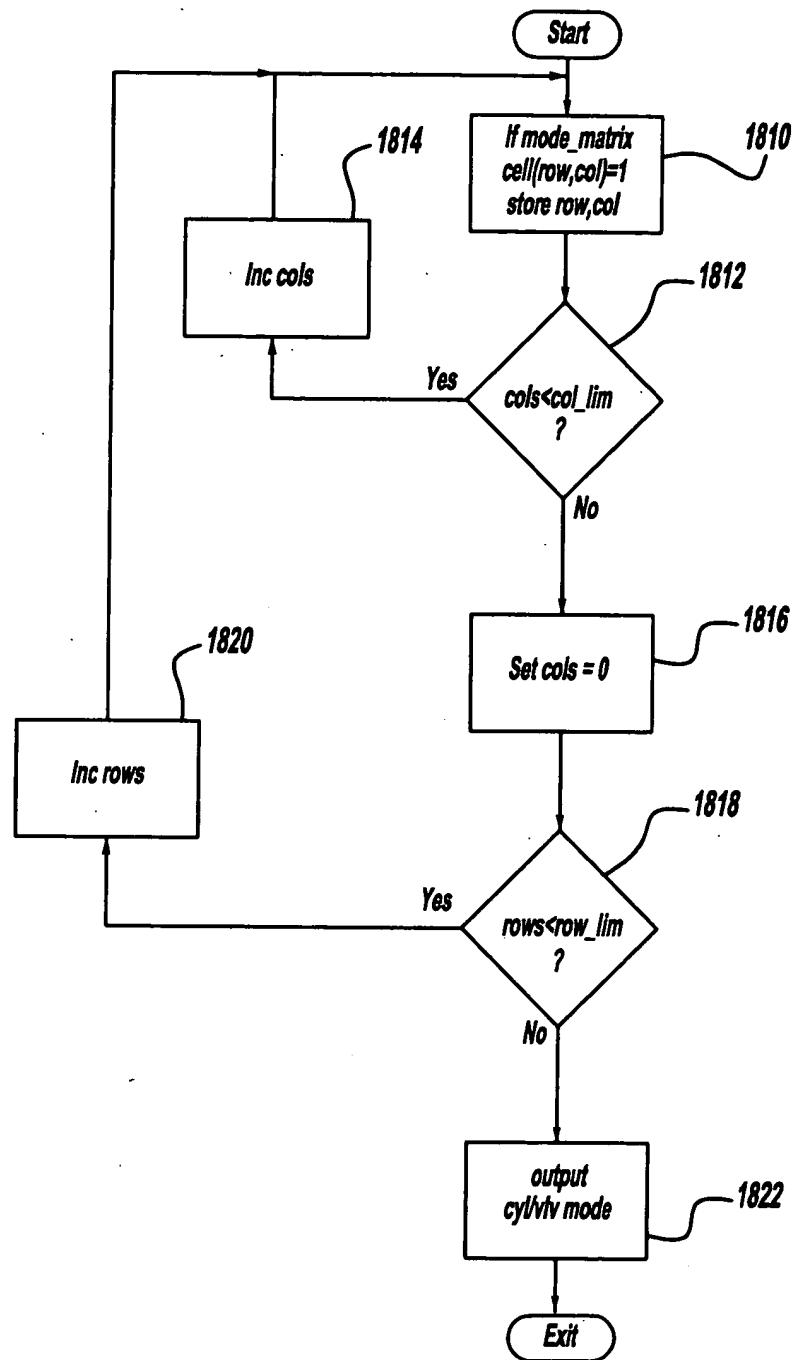


FIG - 17

**FIG - 18**

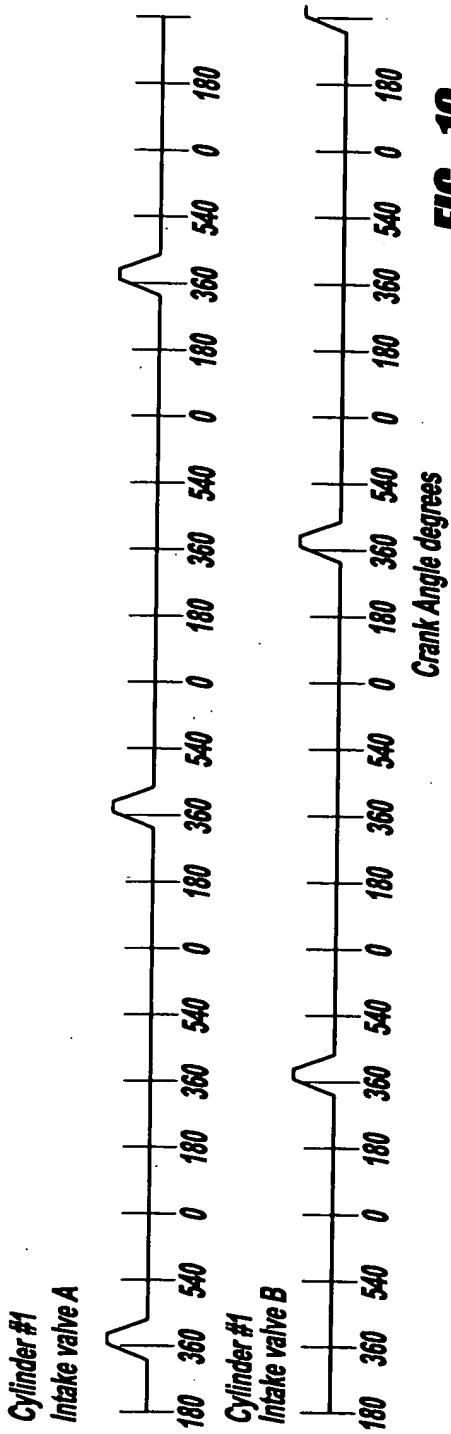


FIG - 19

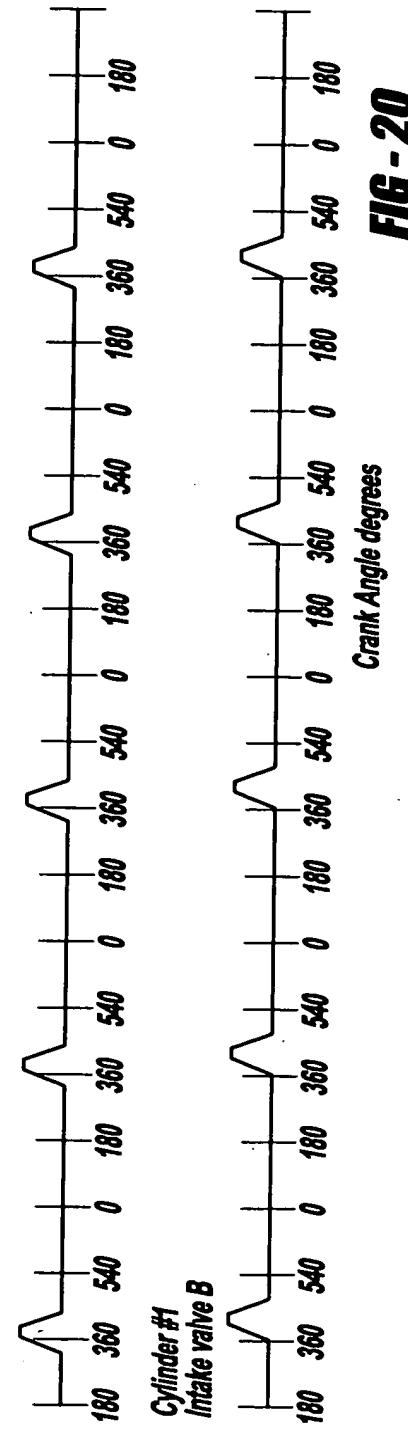


FIG - 20

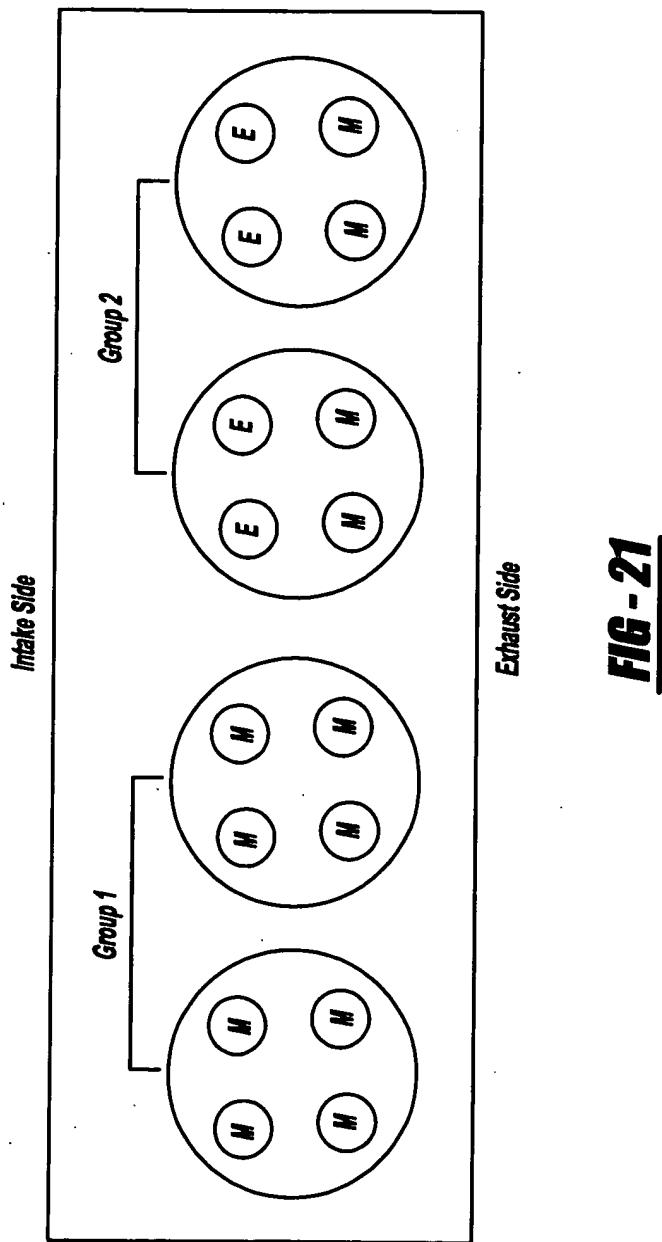


FIG - 21

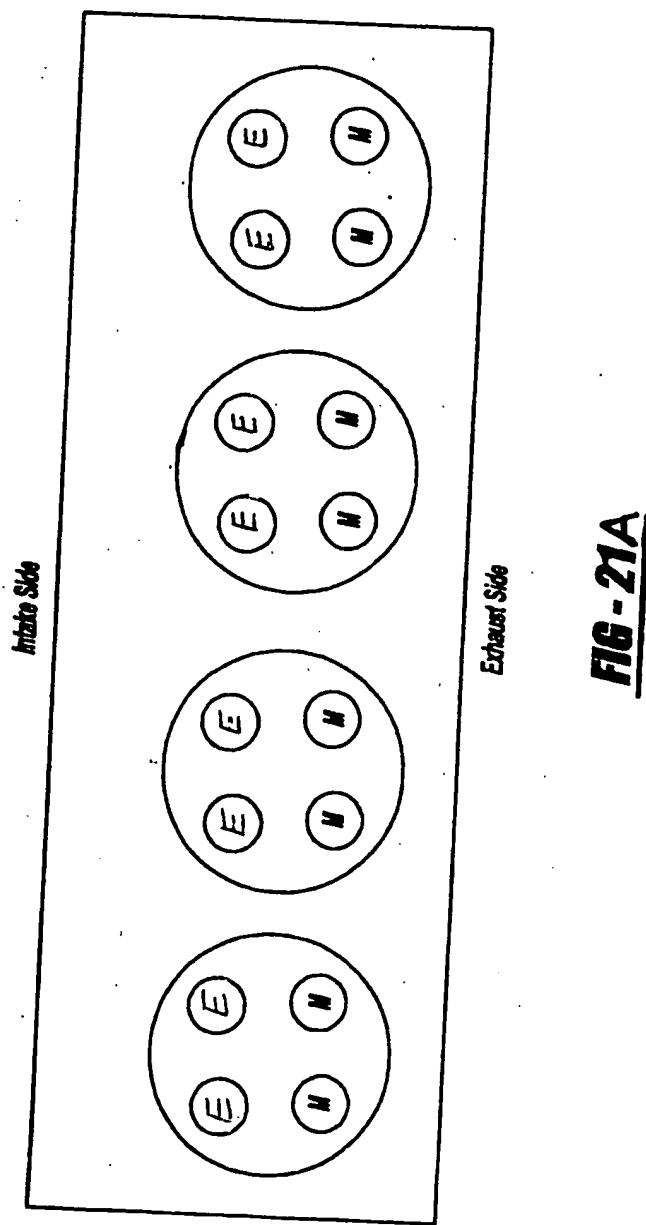


FIG - 21A

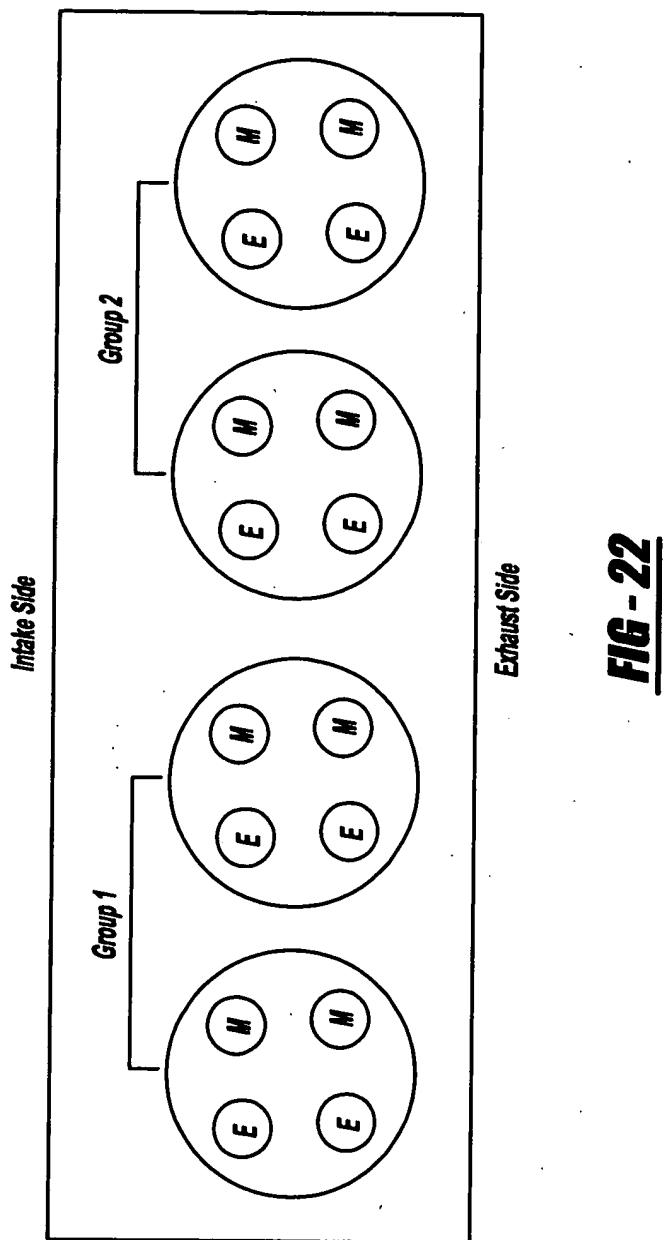


FIG - 22

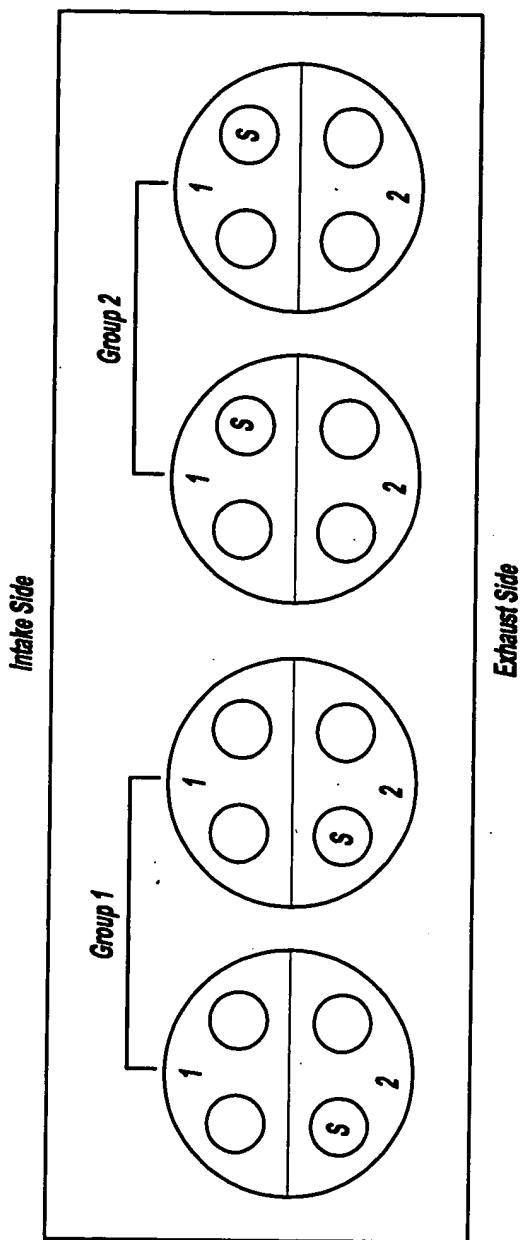


FIG - 23

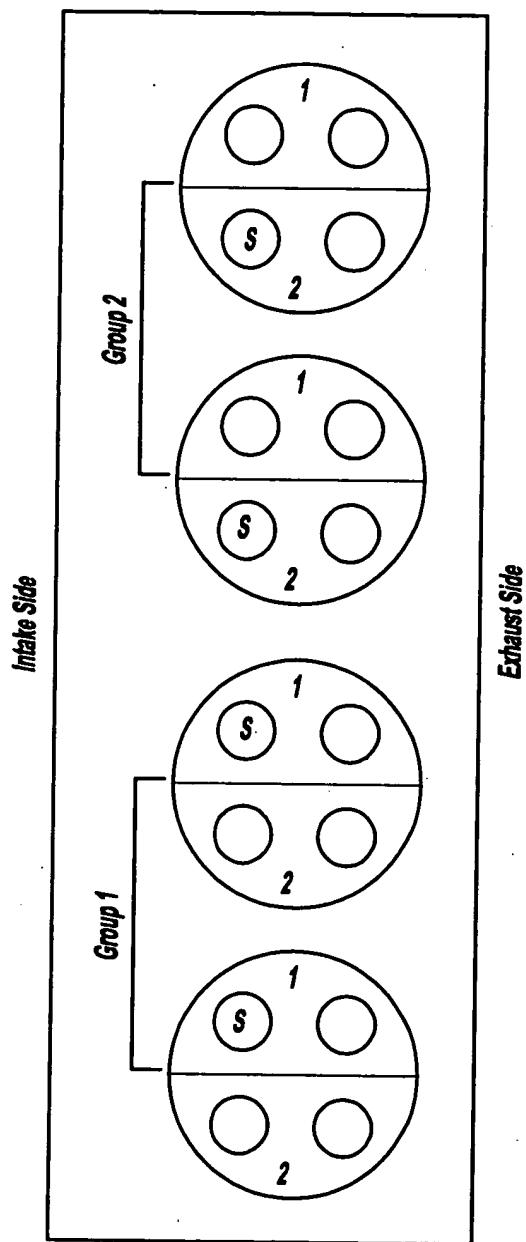


FIG 24

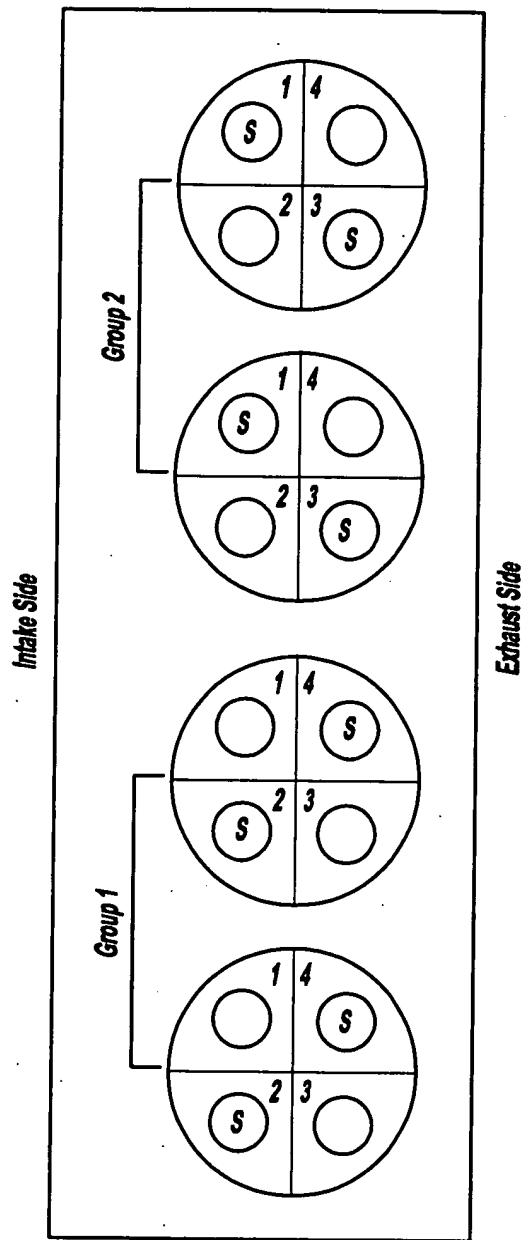


FIG - 25

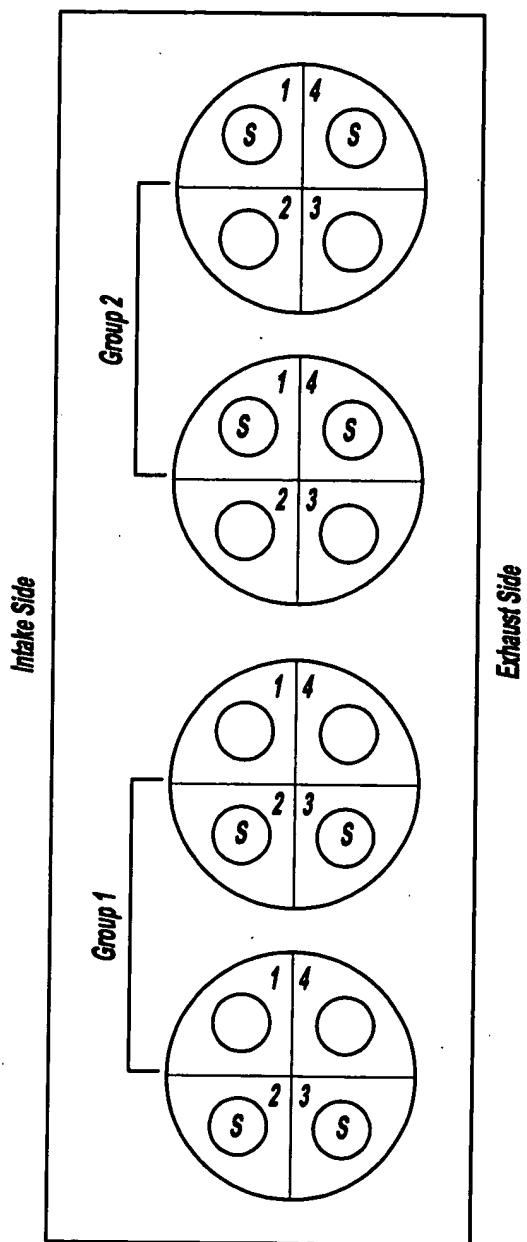


Fig - 26

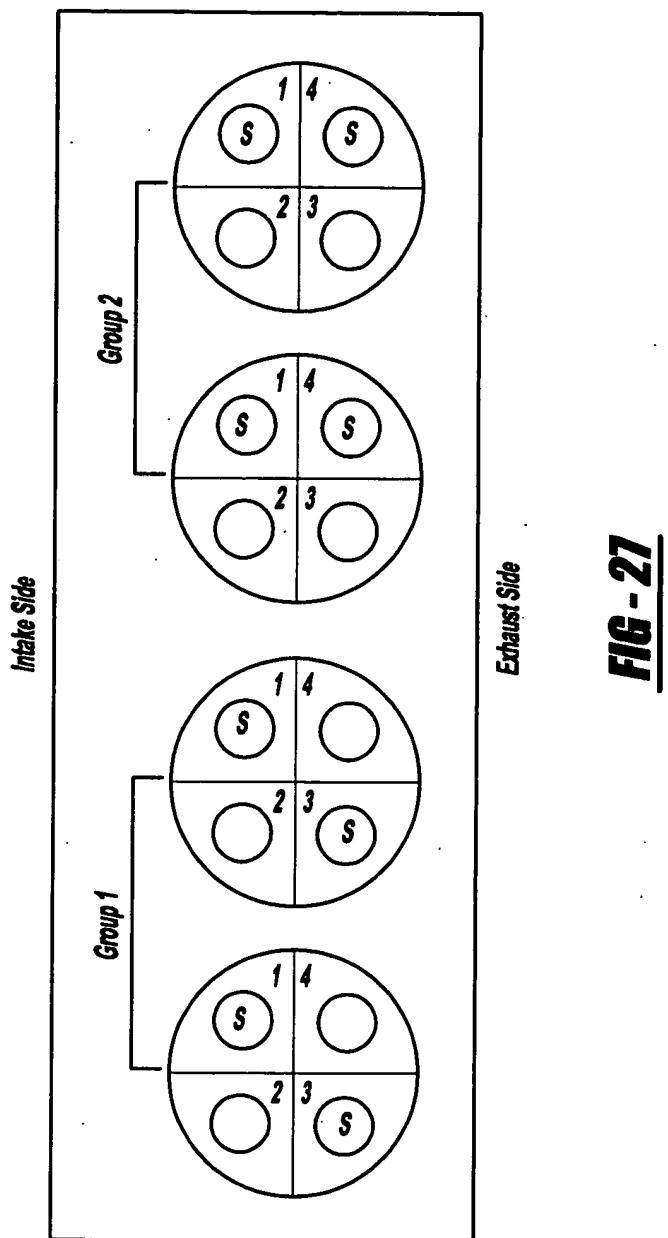
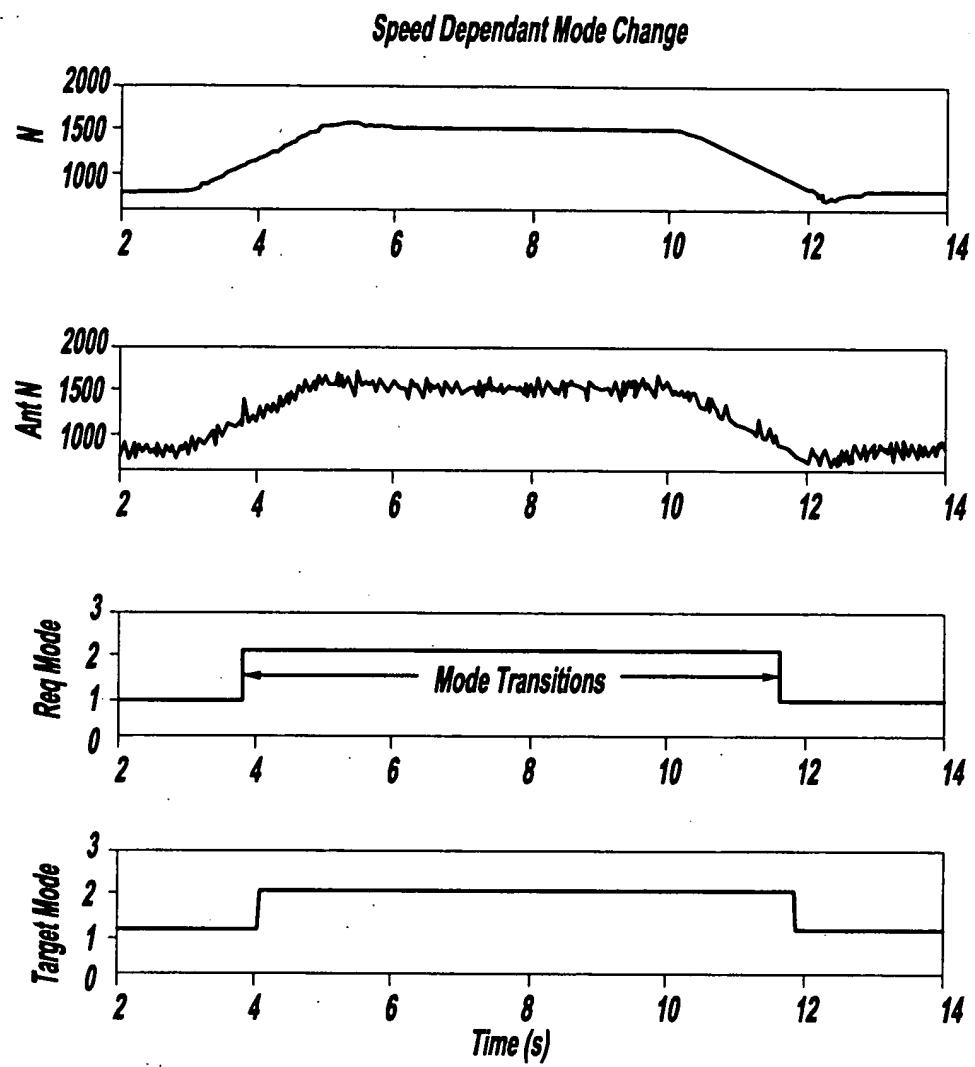
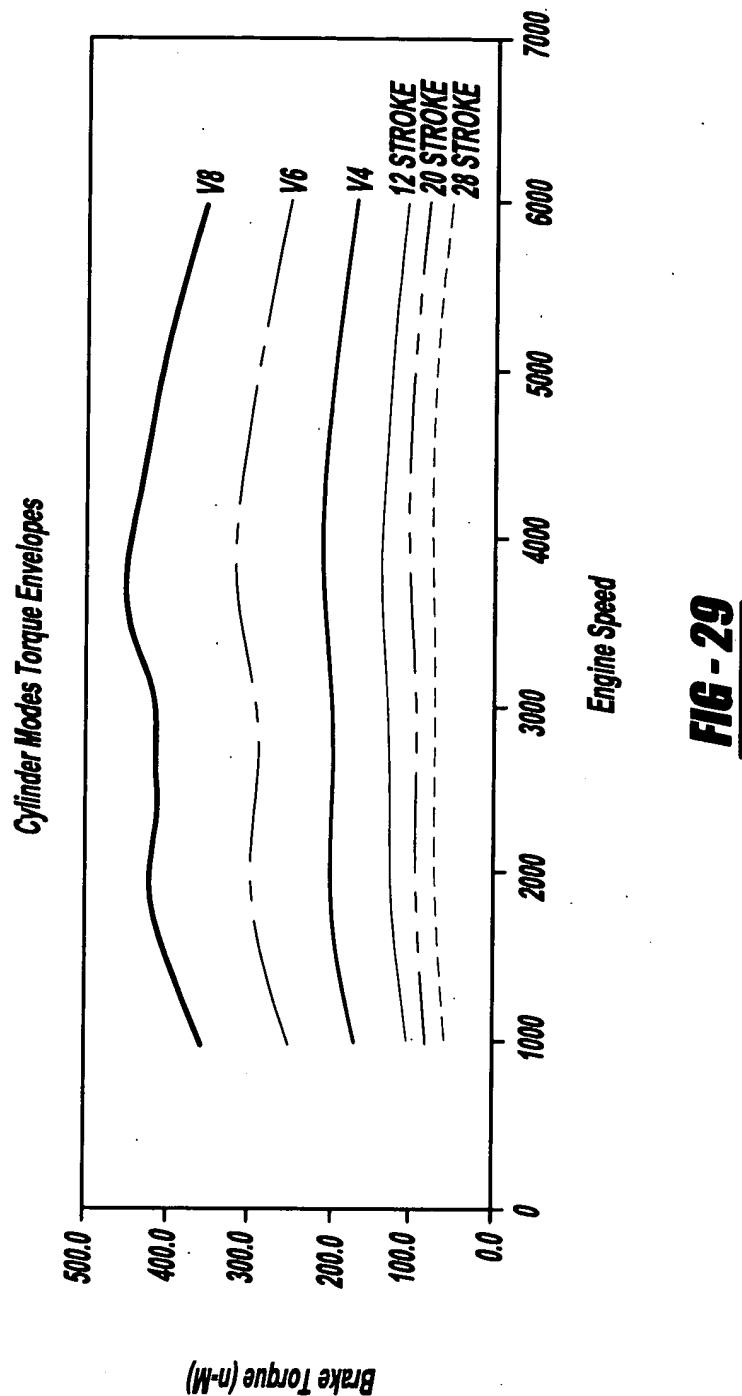


Fig - 27

**FIG - 28**



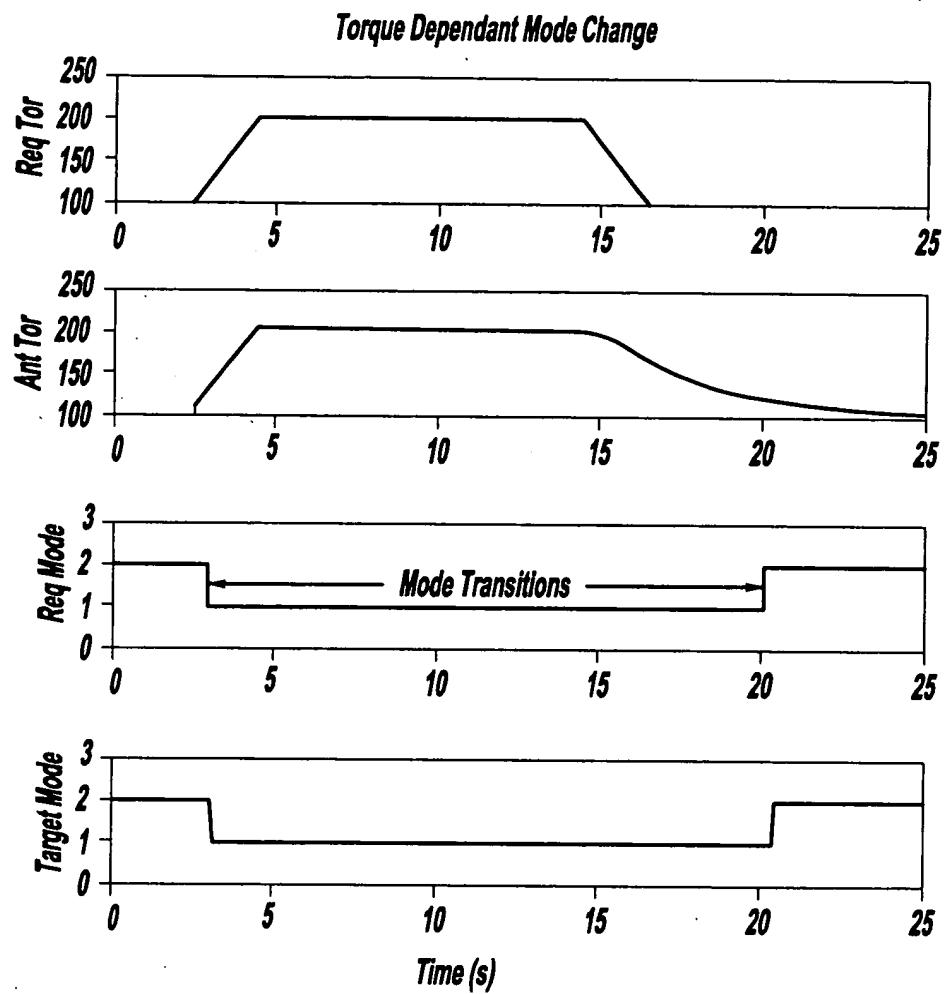


FIG - 30

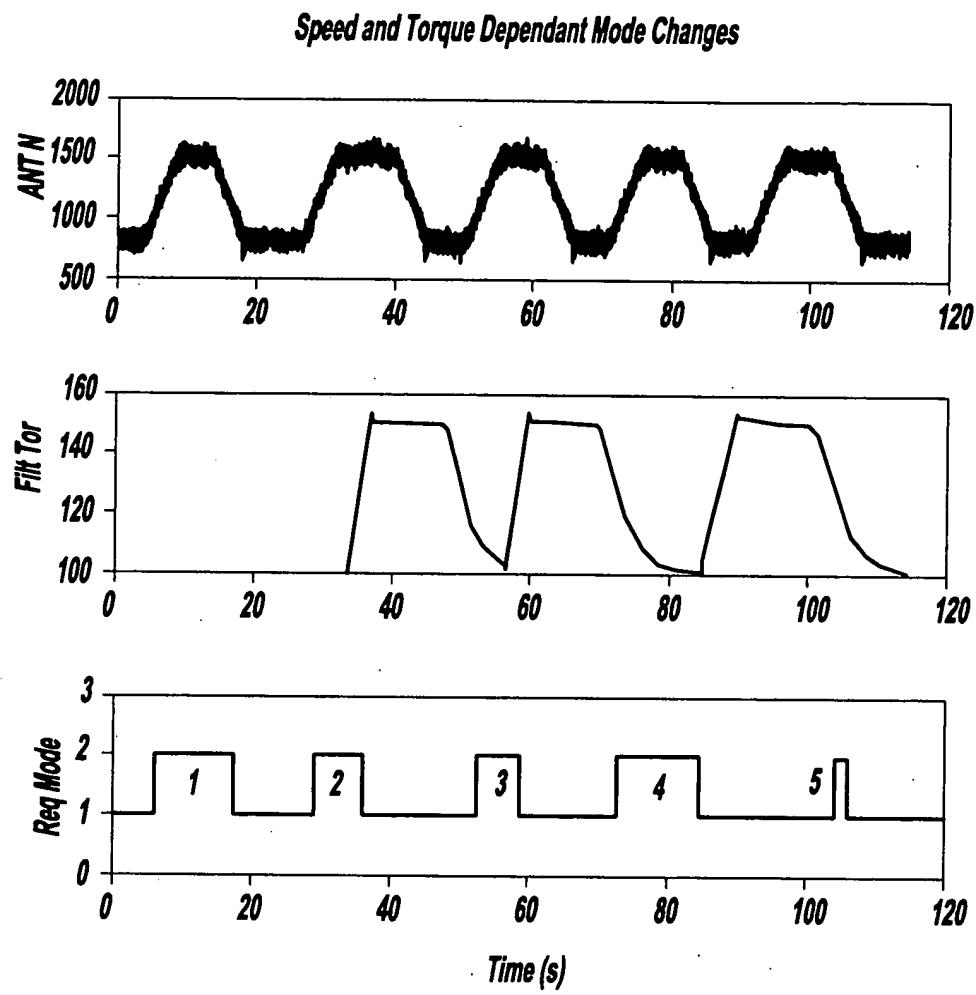
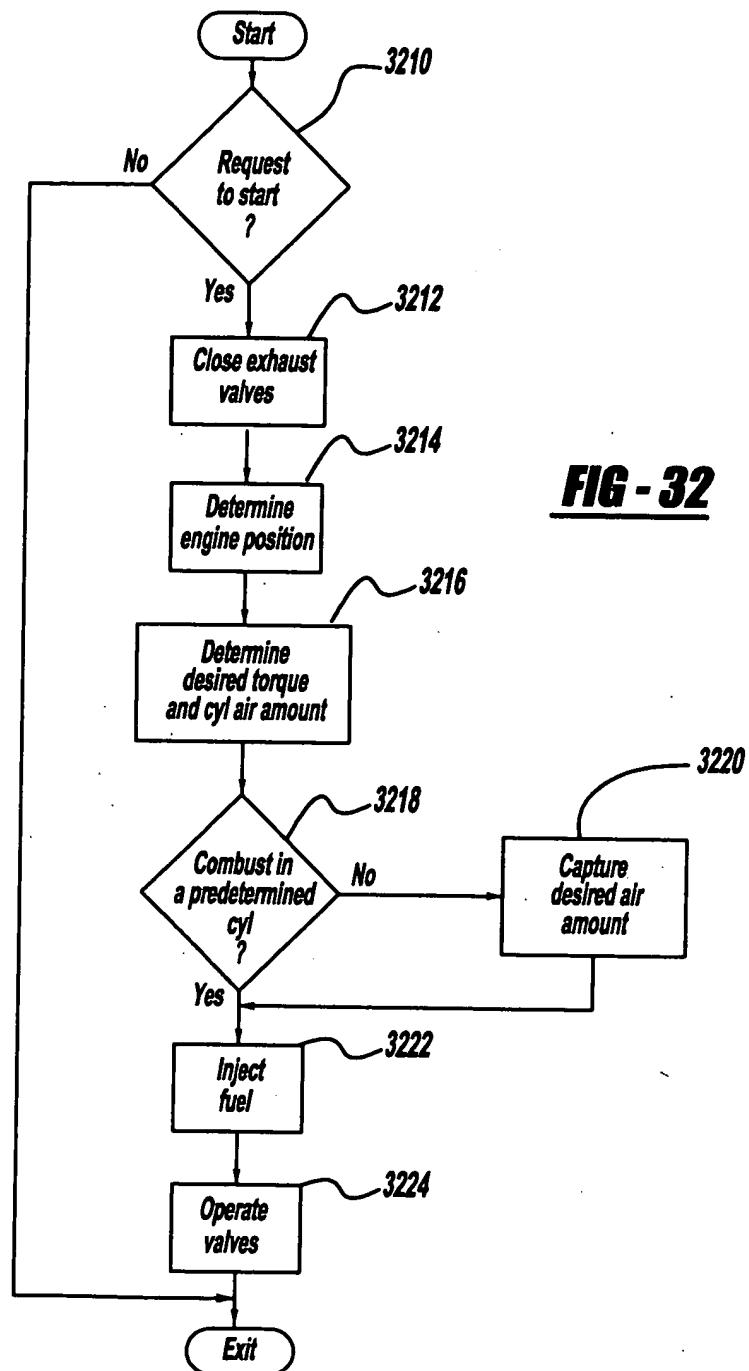


FIG - 31



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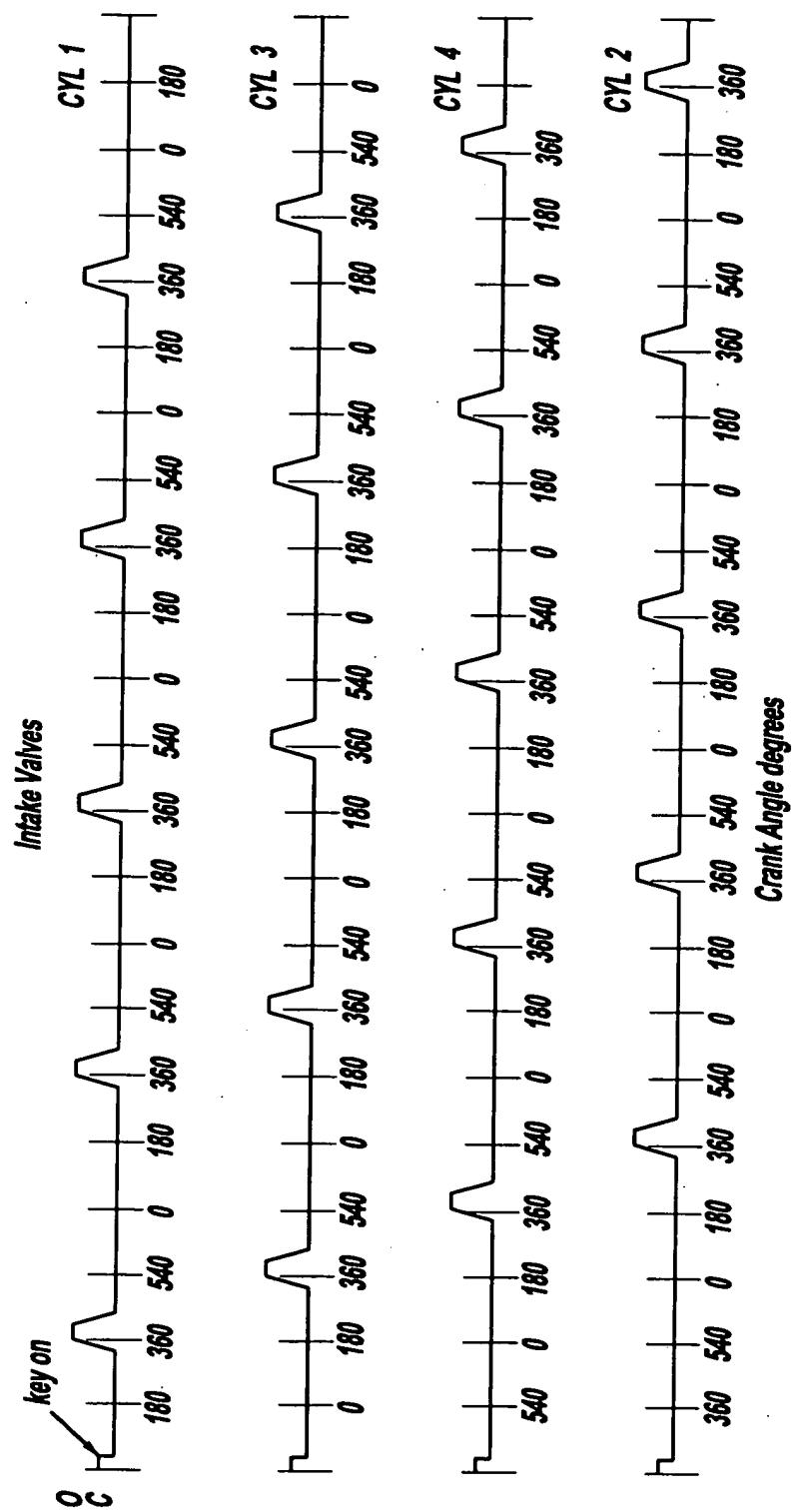


FIG - 33a

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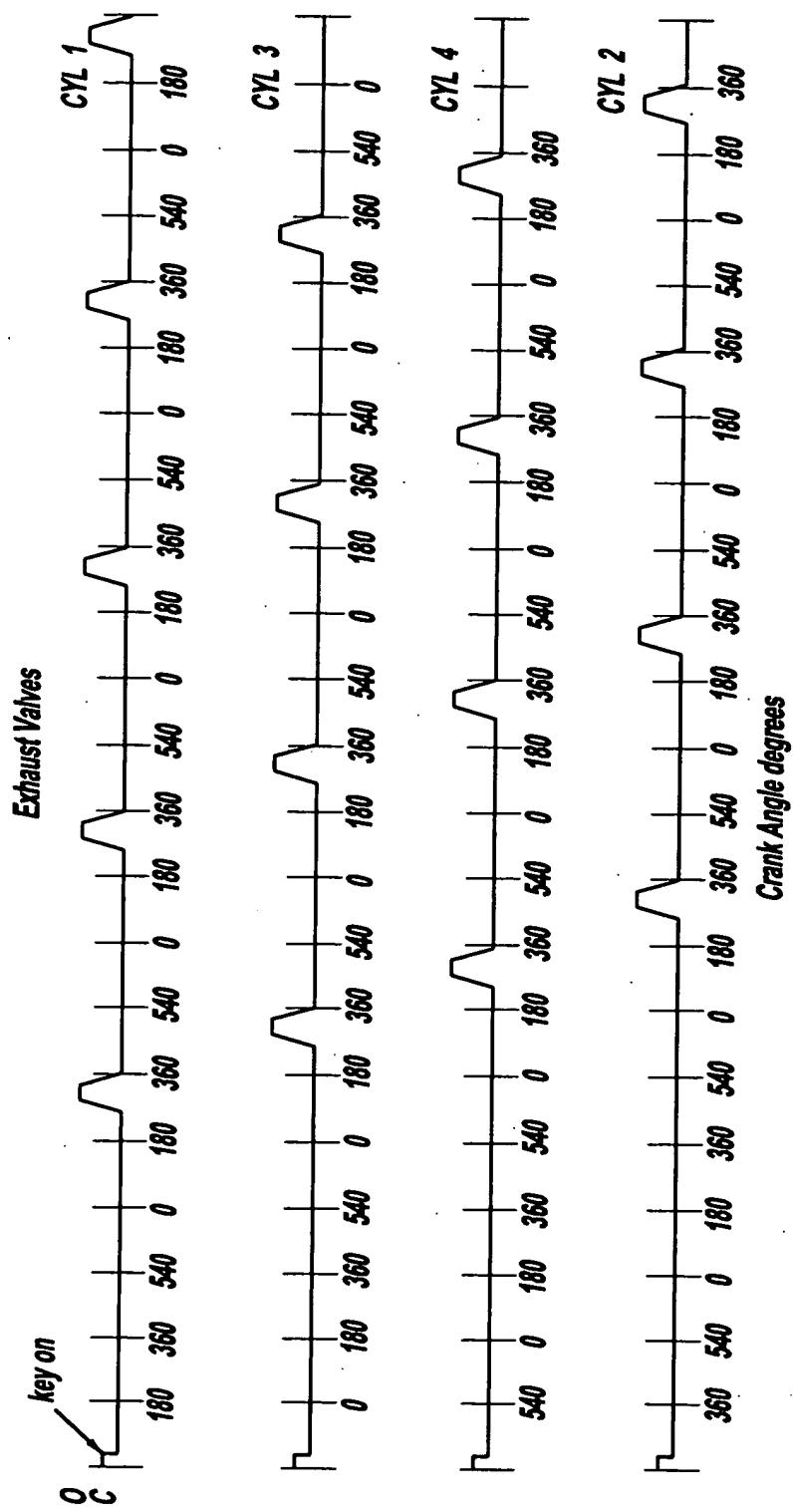
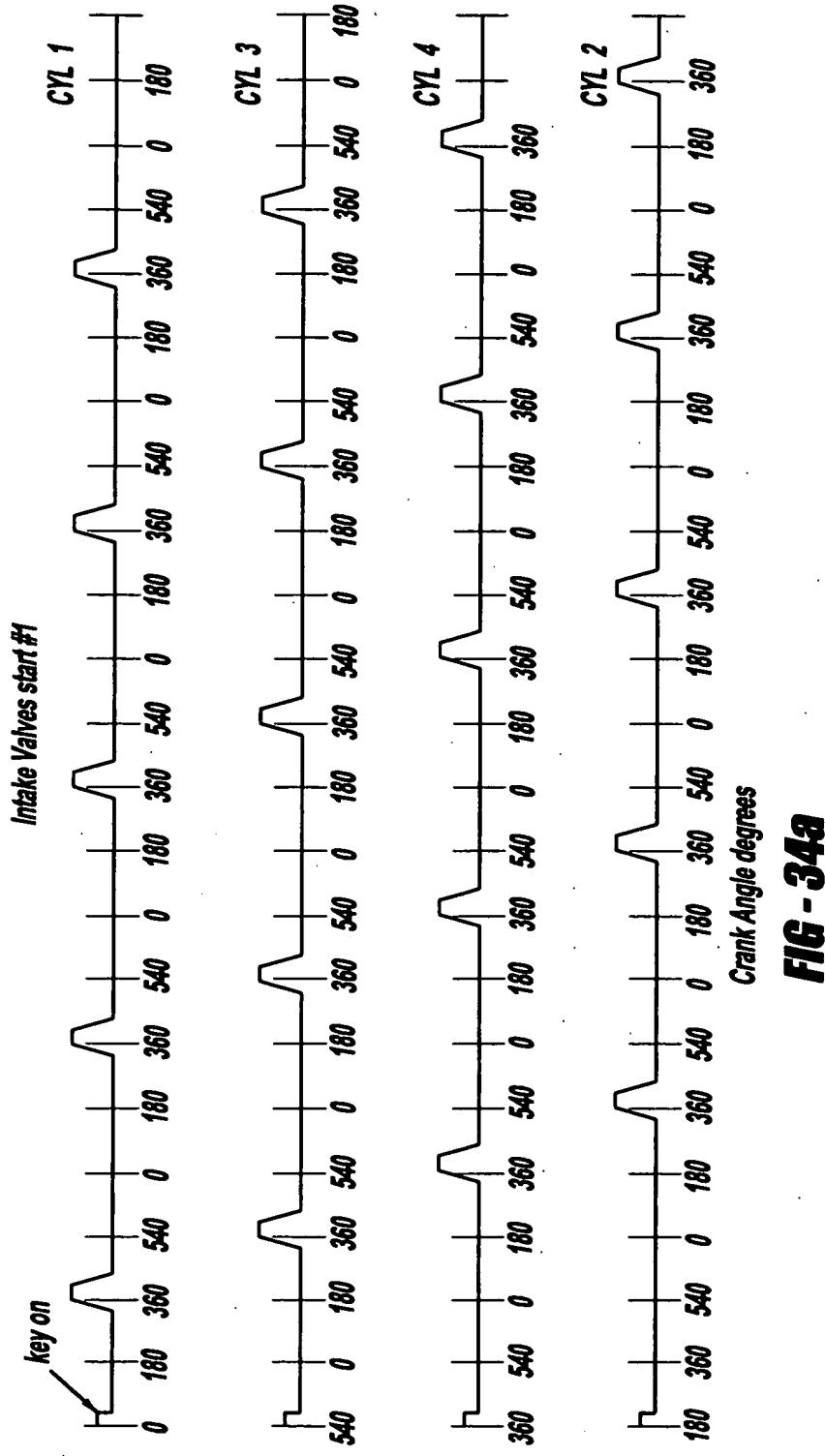


FIG - 33b



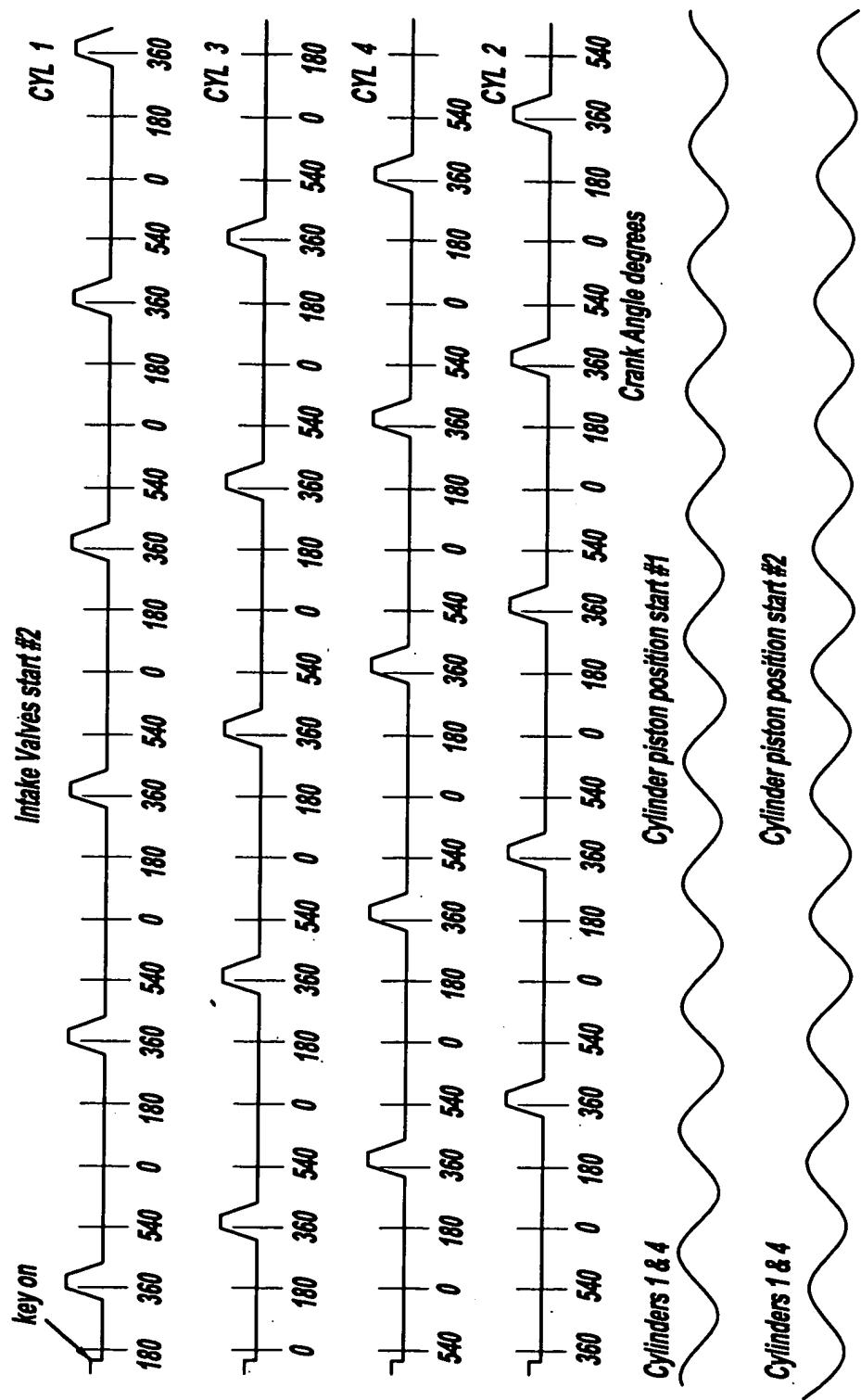


FIG - 34b

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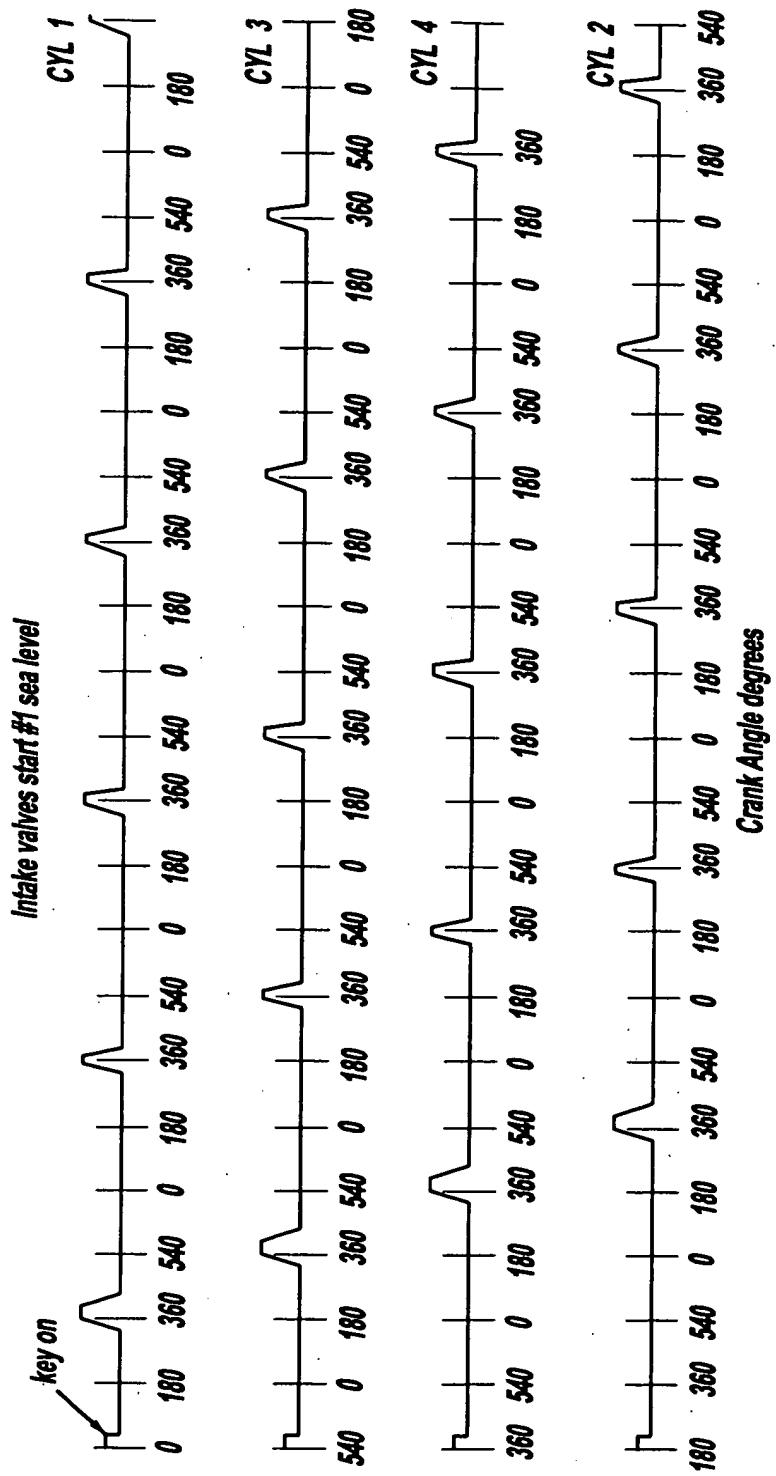


FIG - 35a

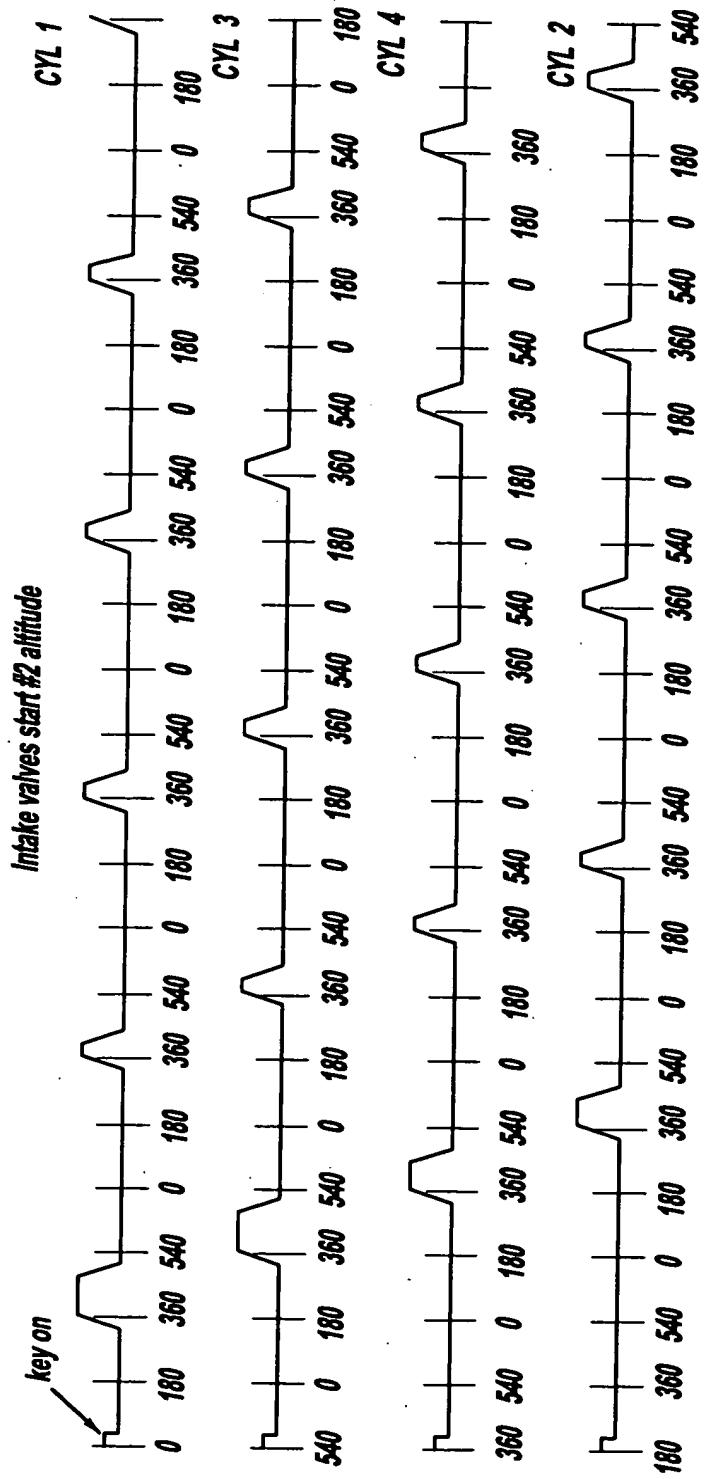
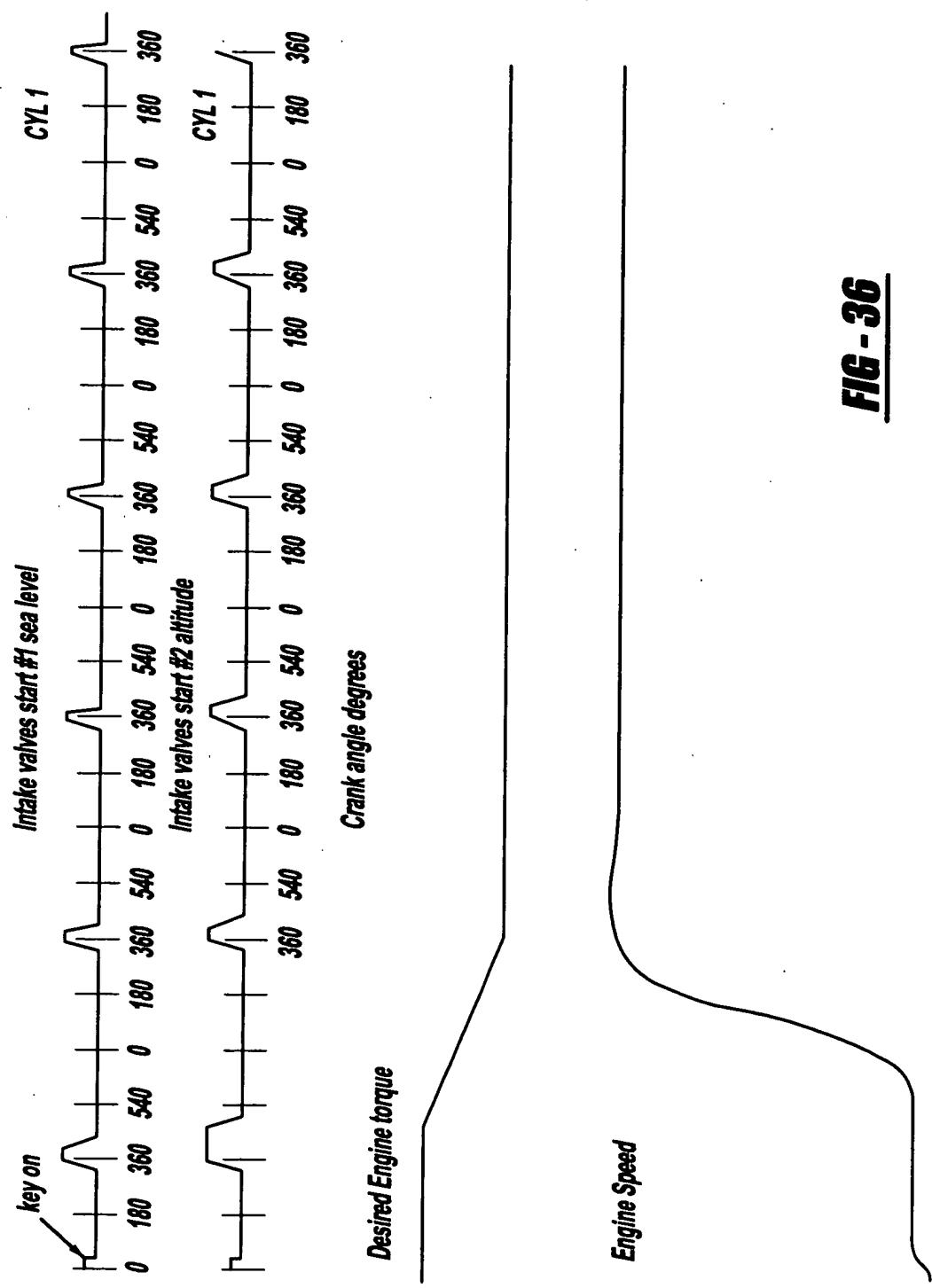


FIG - 35b

FIG - 36

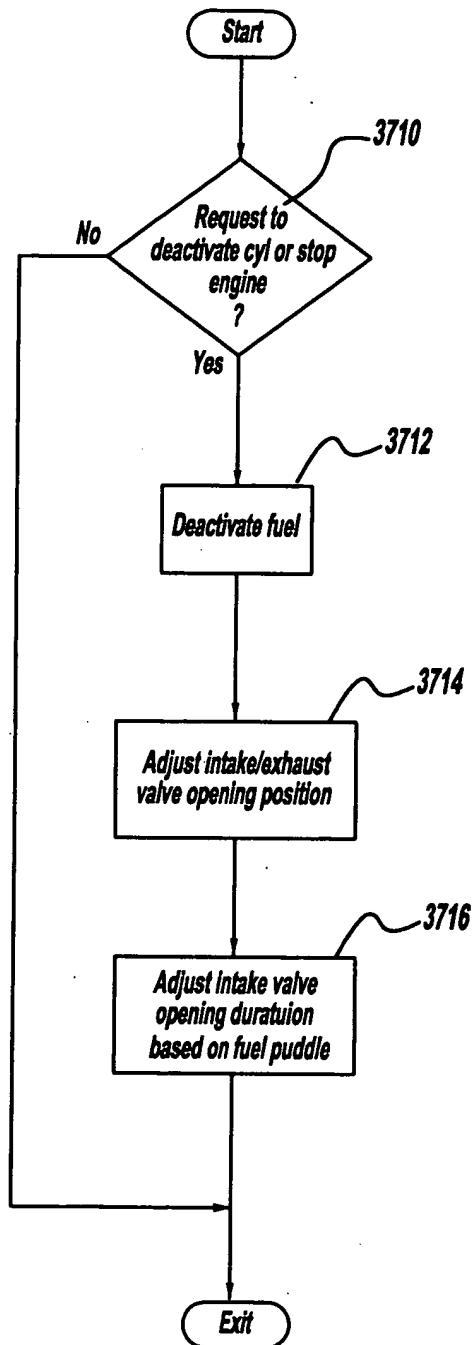


FIG - 37

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Intake valve timing during engine shut down

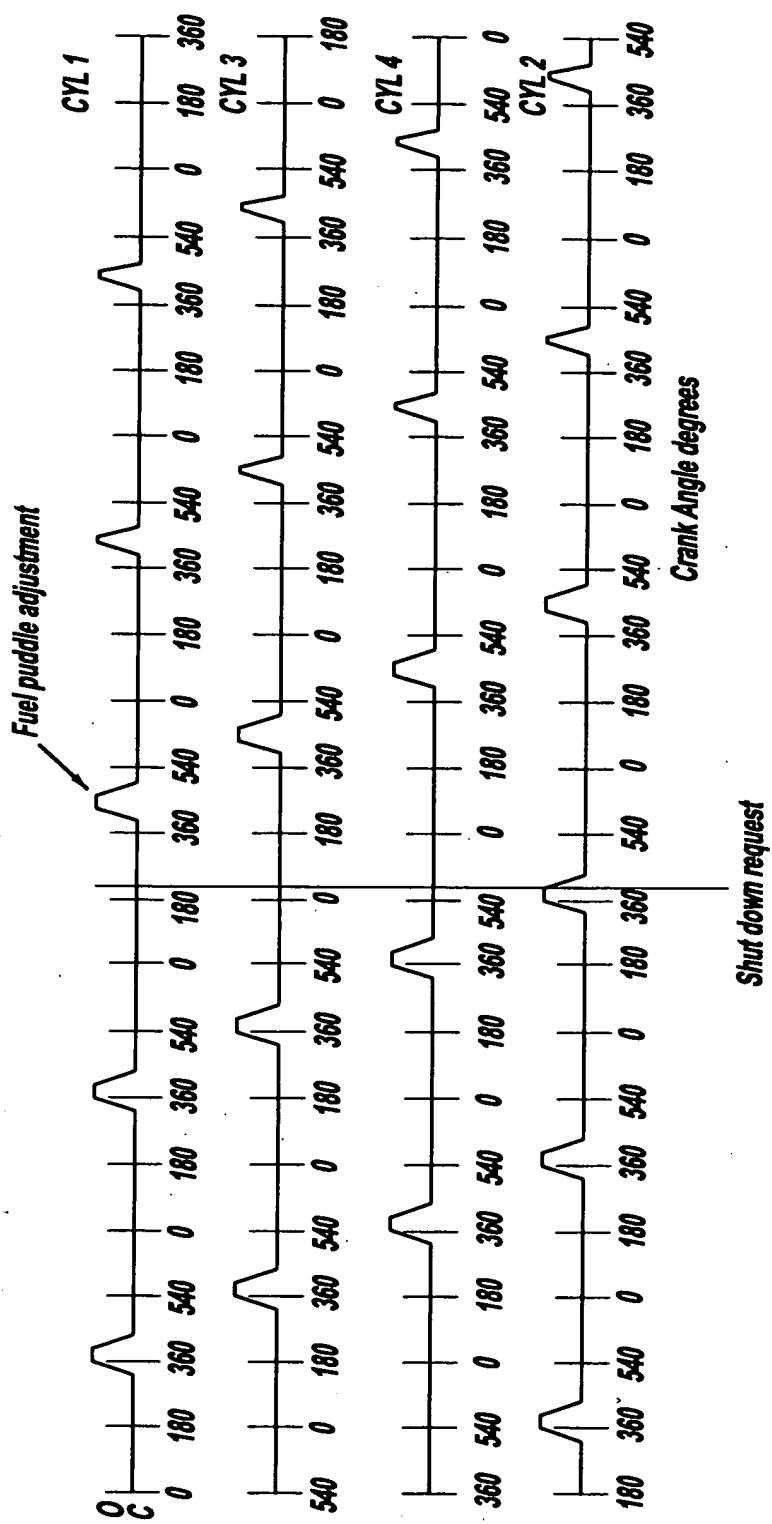
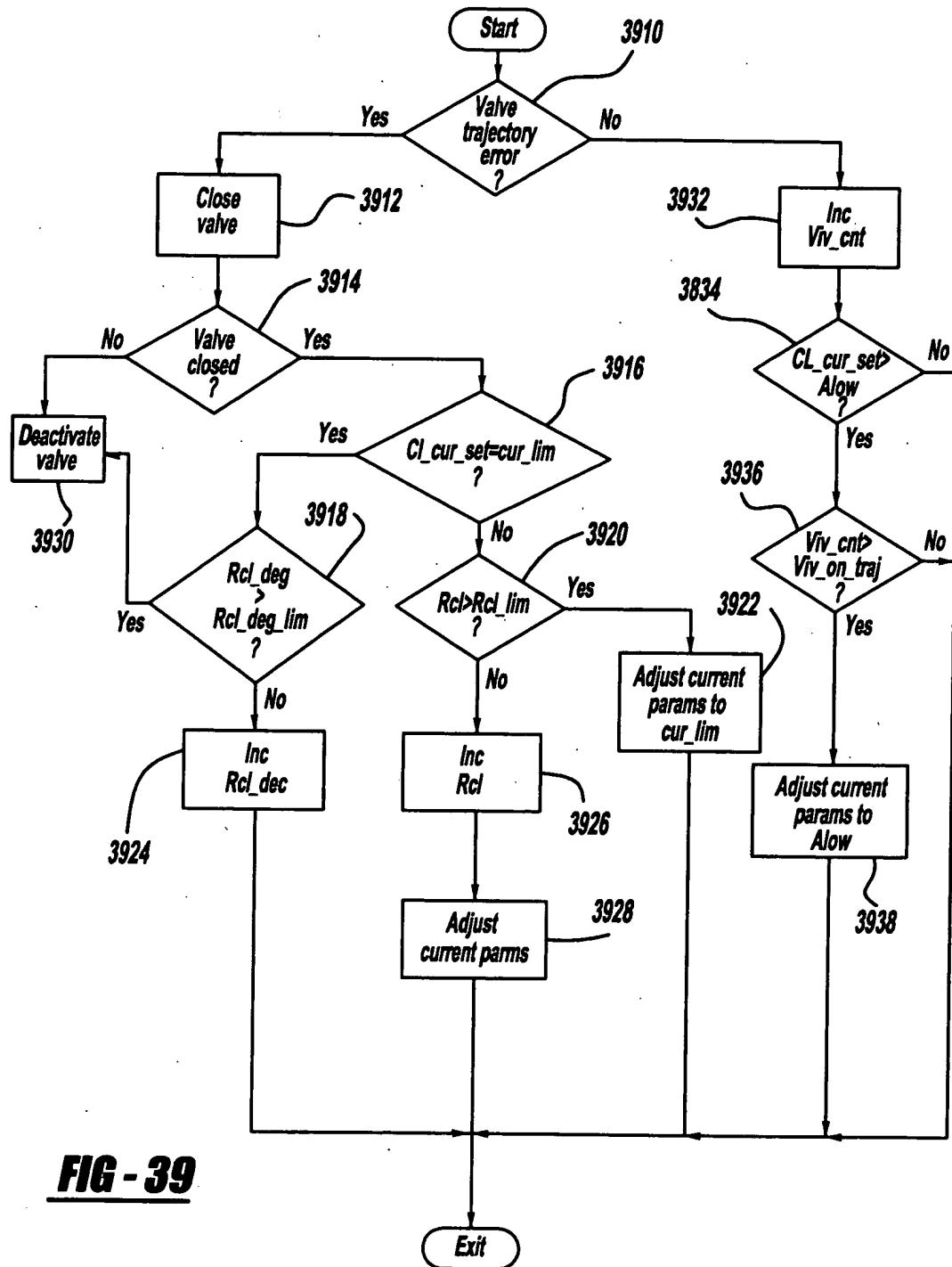


FIG - 38



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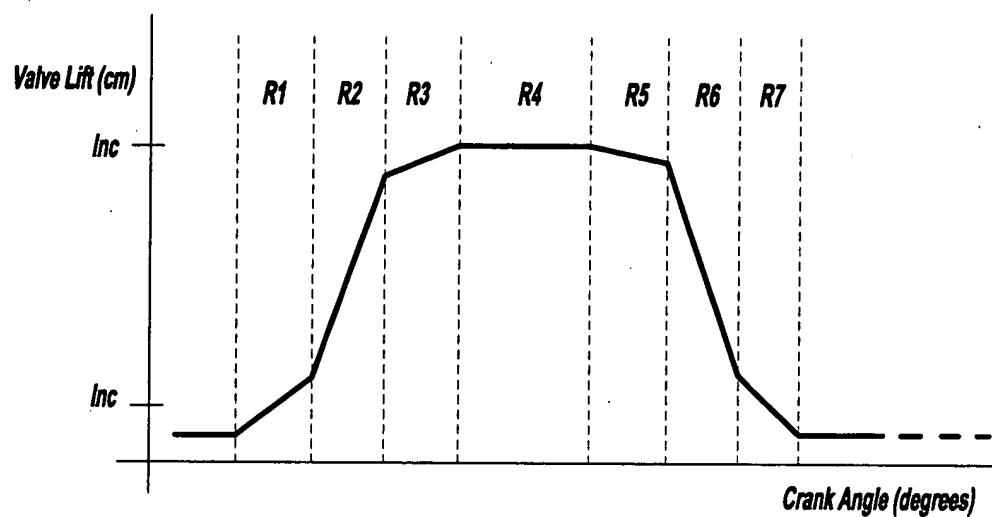


FIG - 40

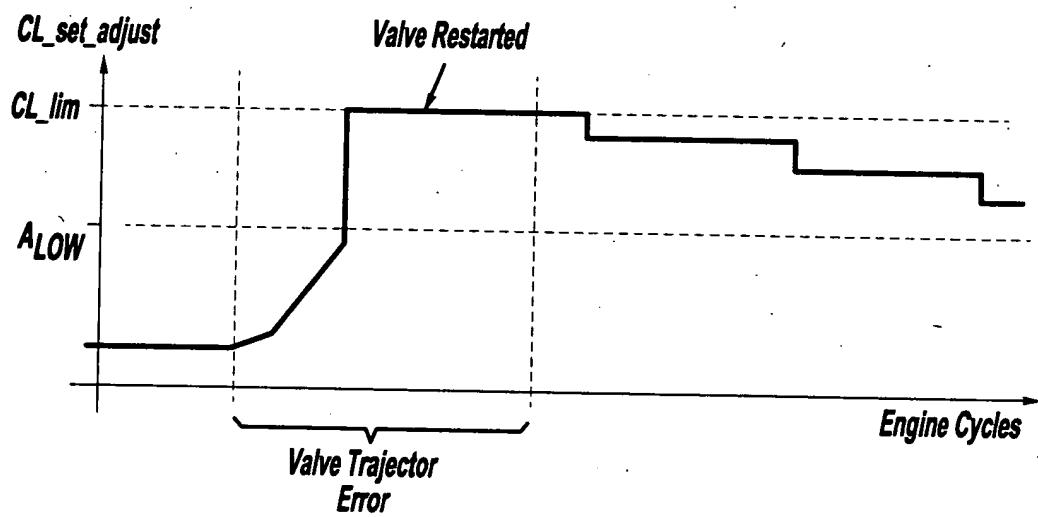


FIG - 41

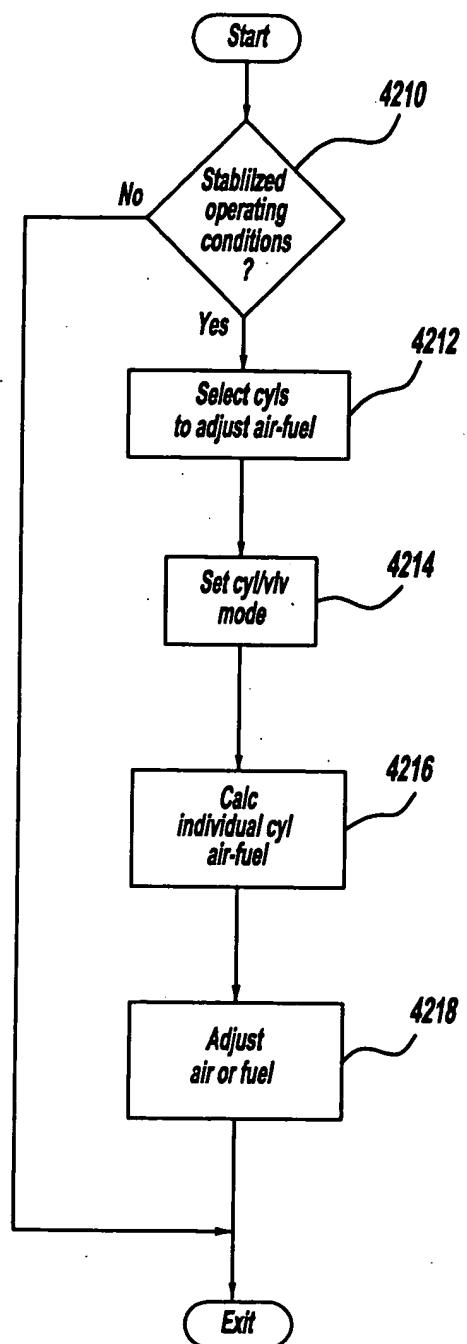


FIG - 42

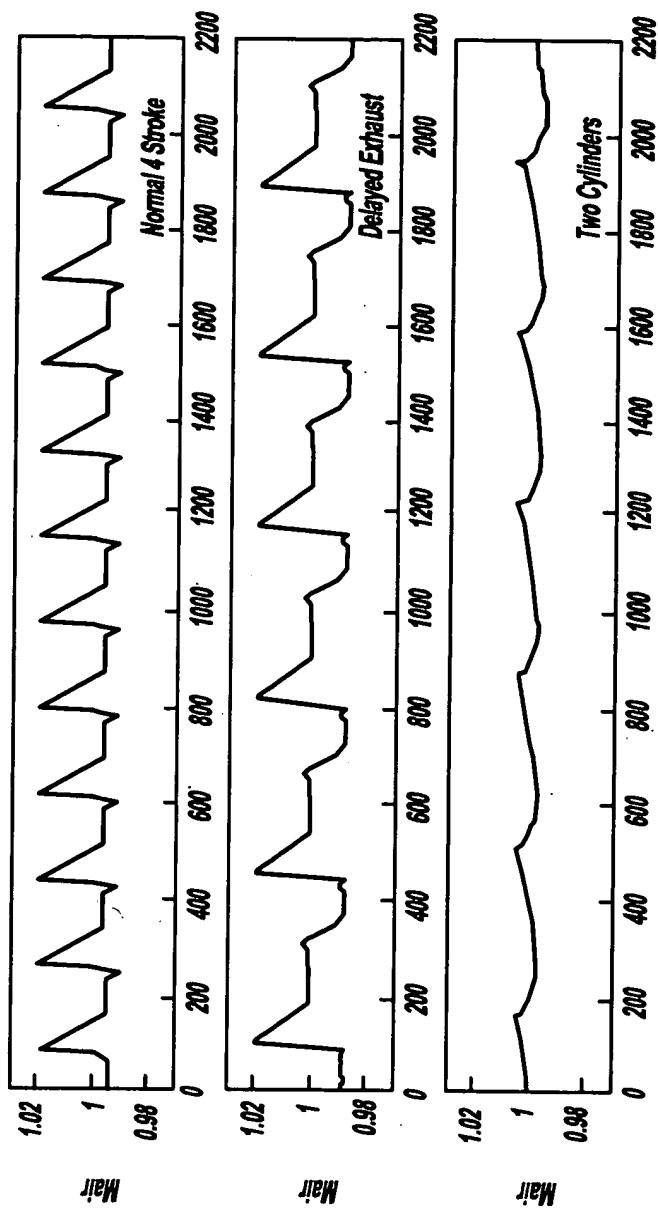
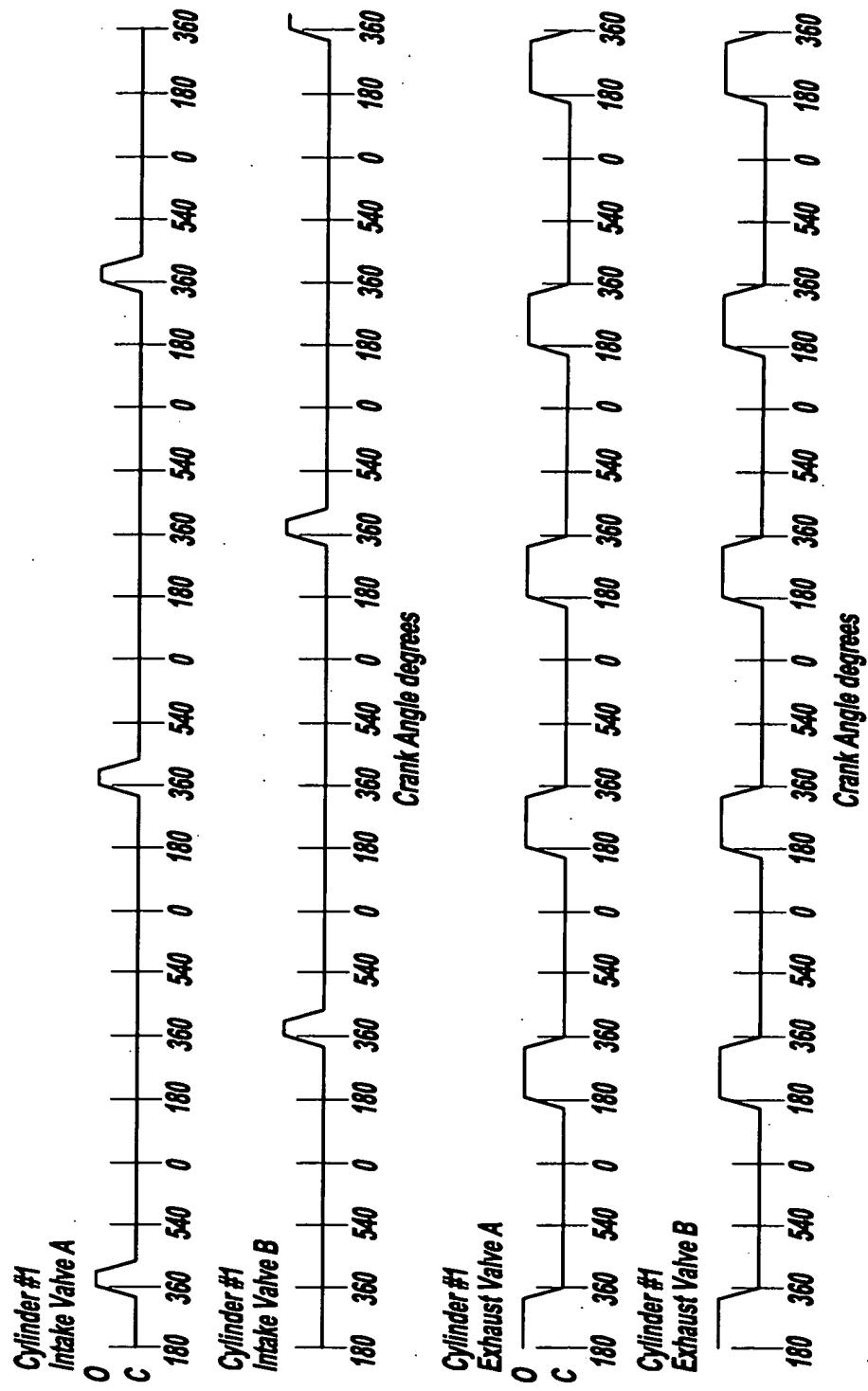
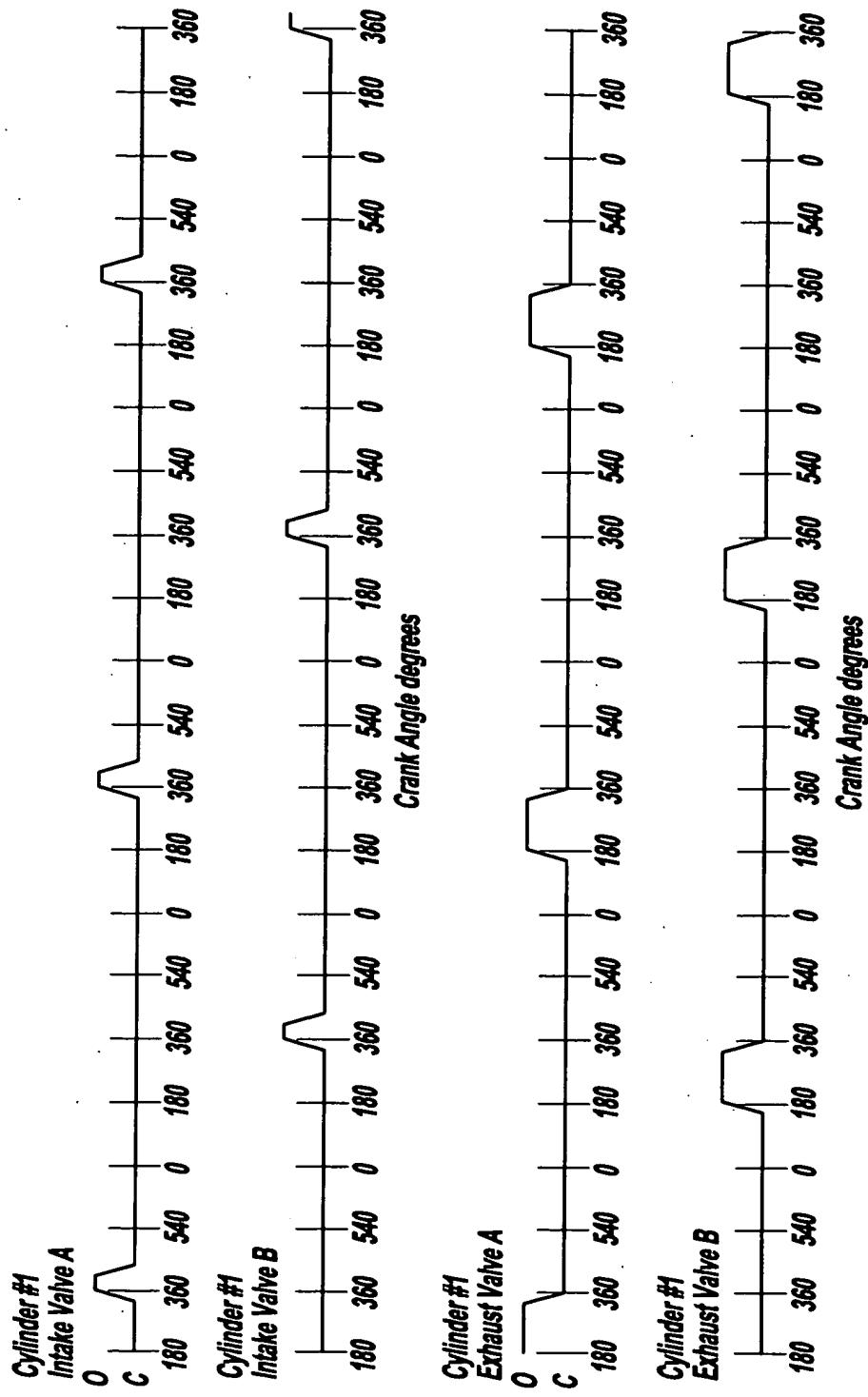
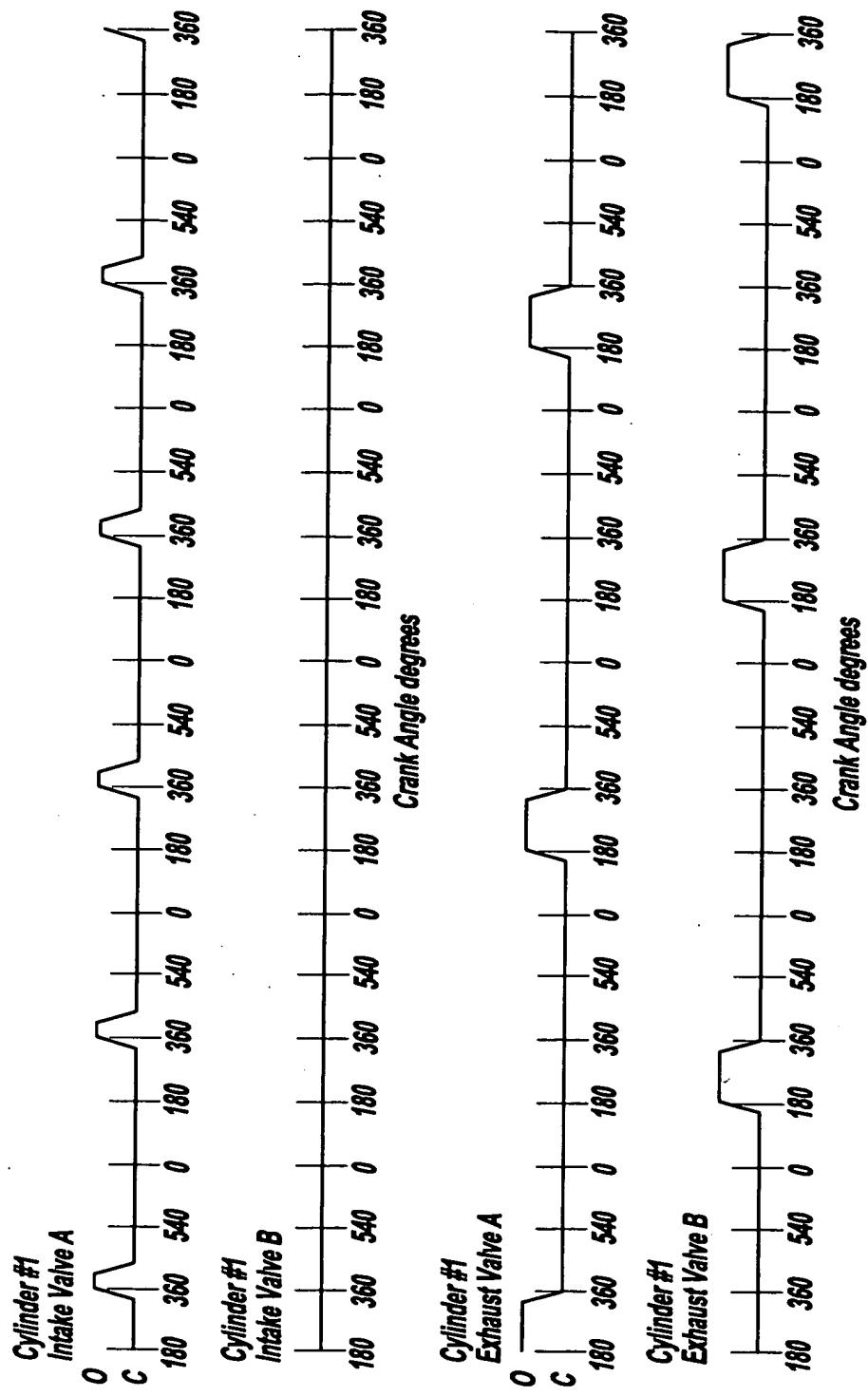


FIG - 43

**FIG - 44**

**FIG - 45**

**FIG - 46**

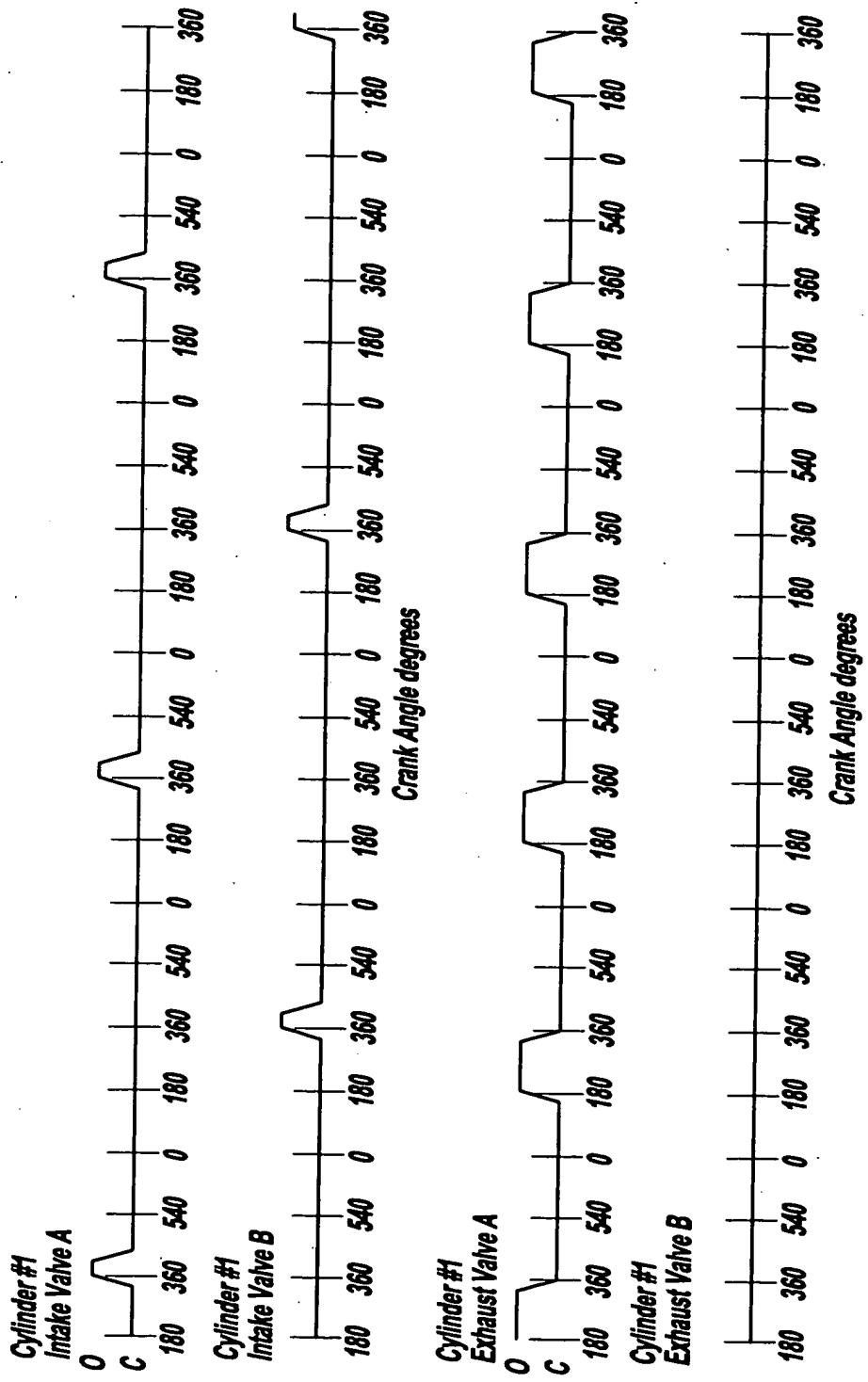
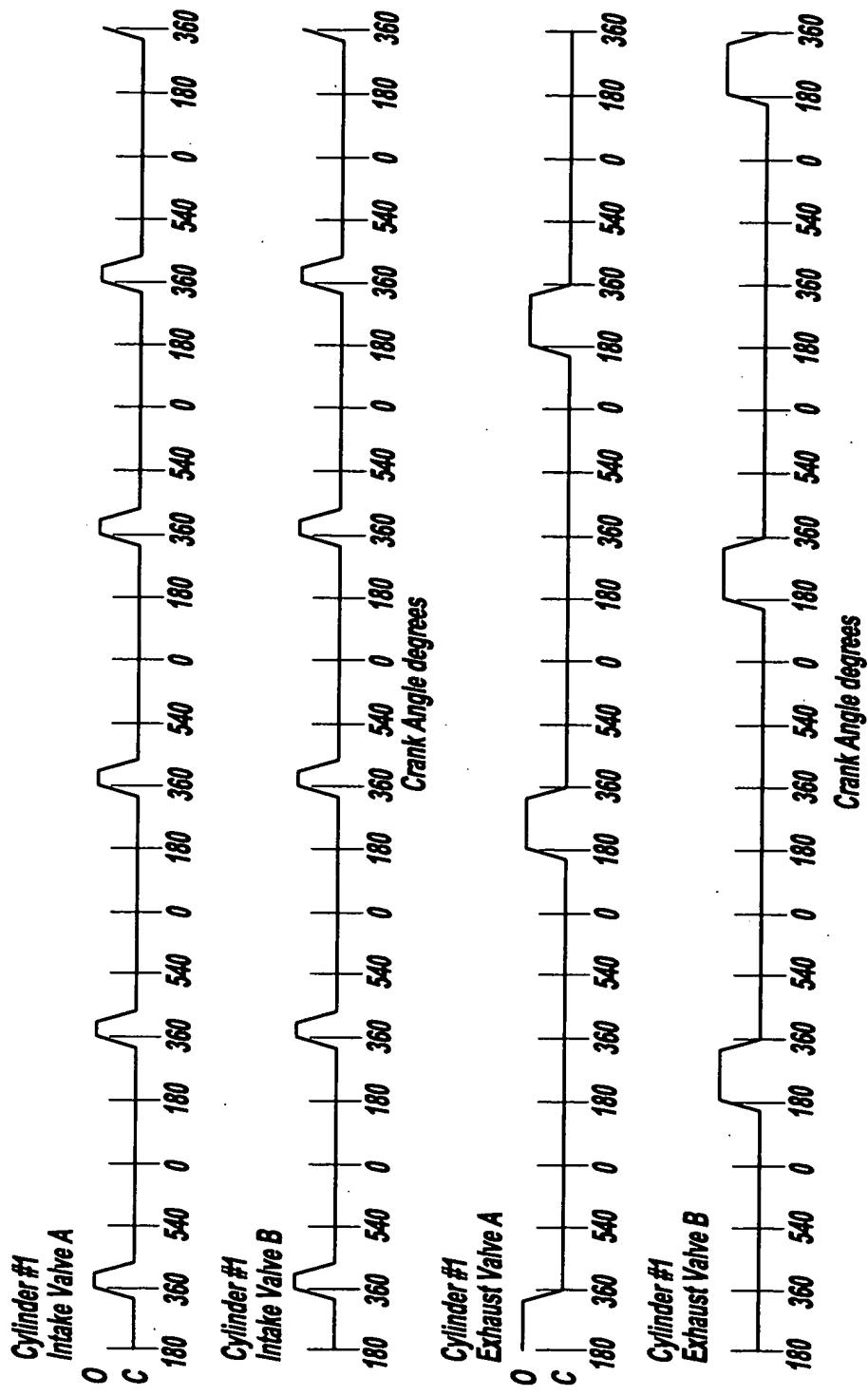
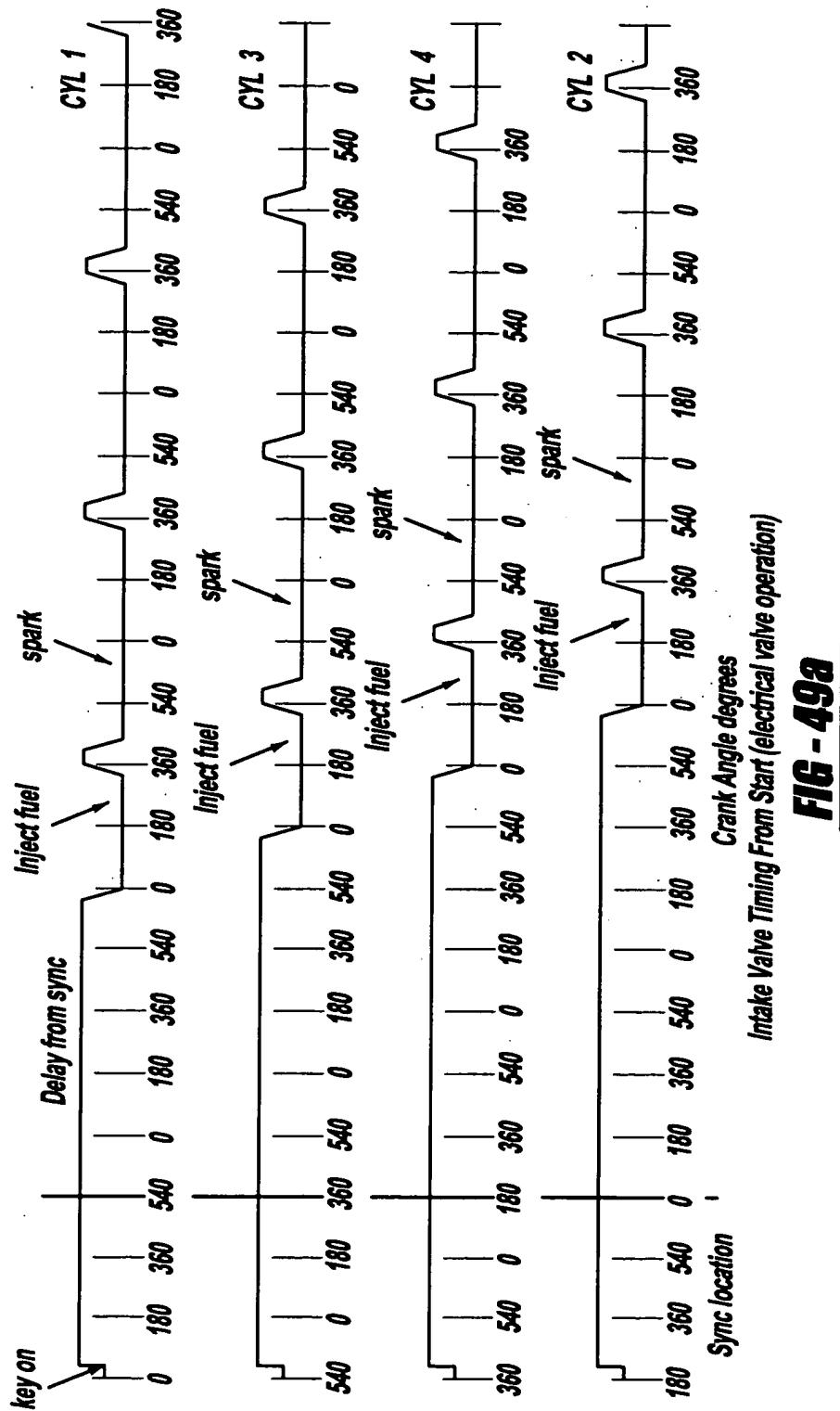


FIG - 47

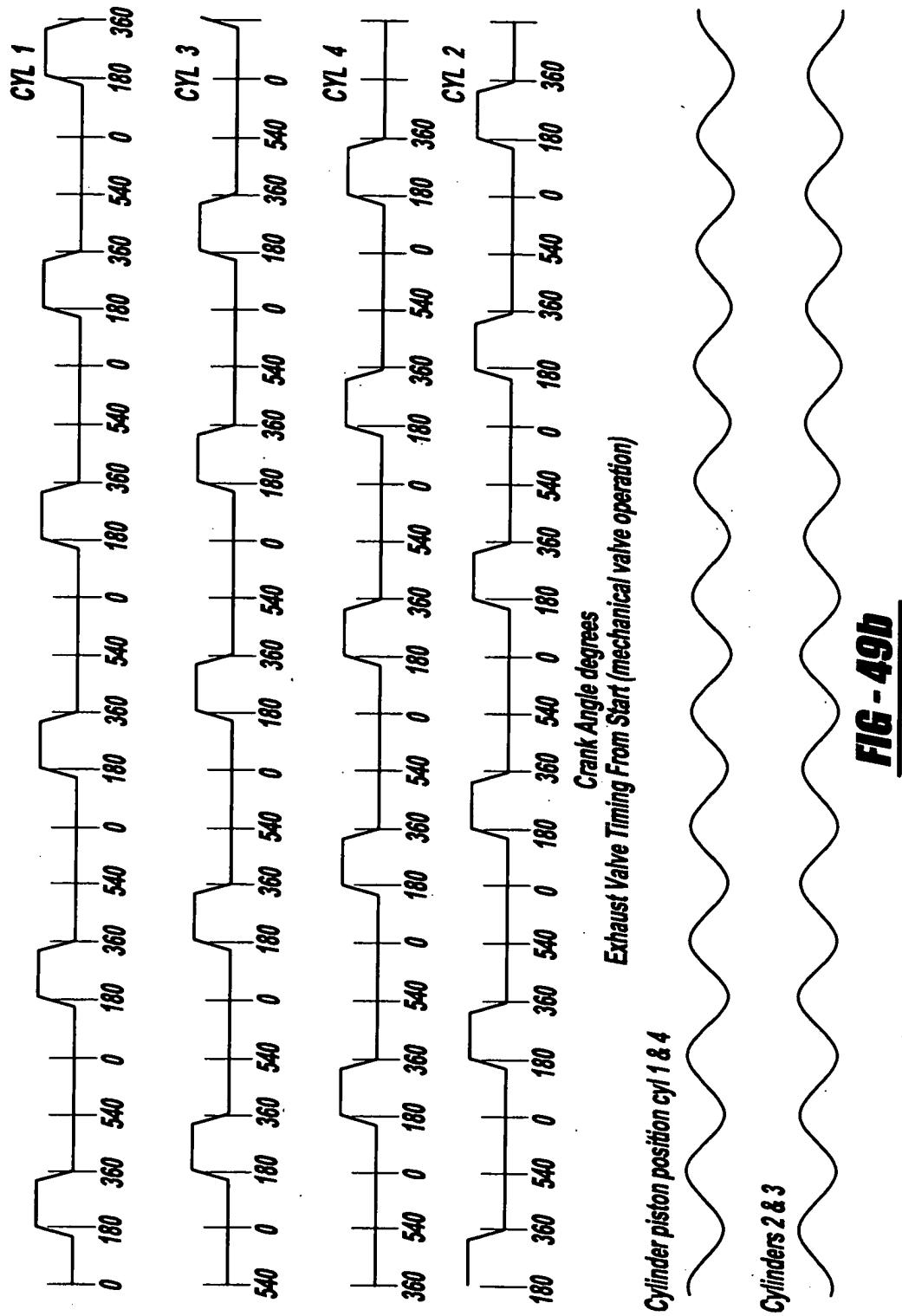
**FIG - 48**

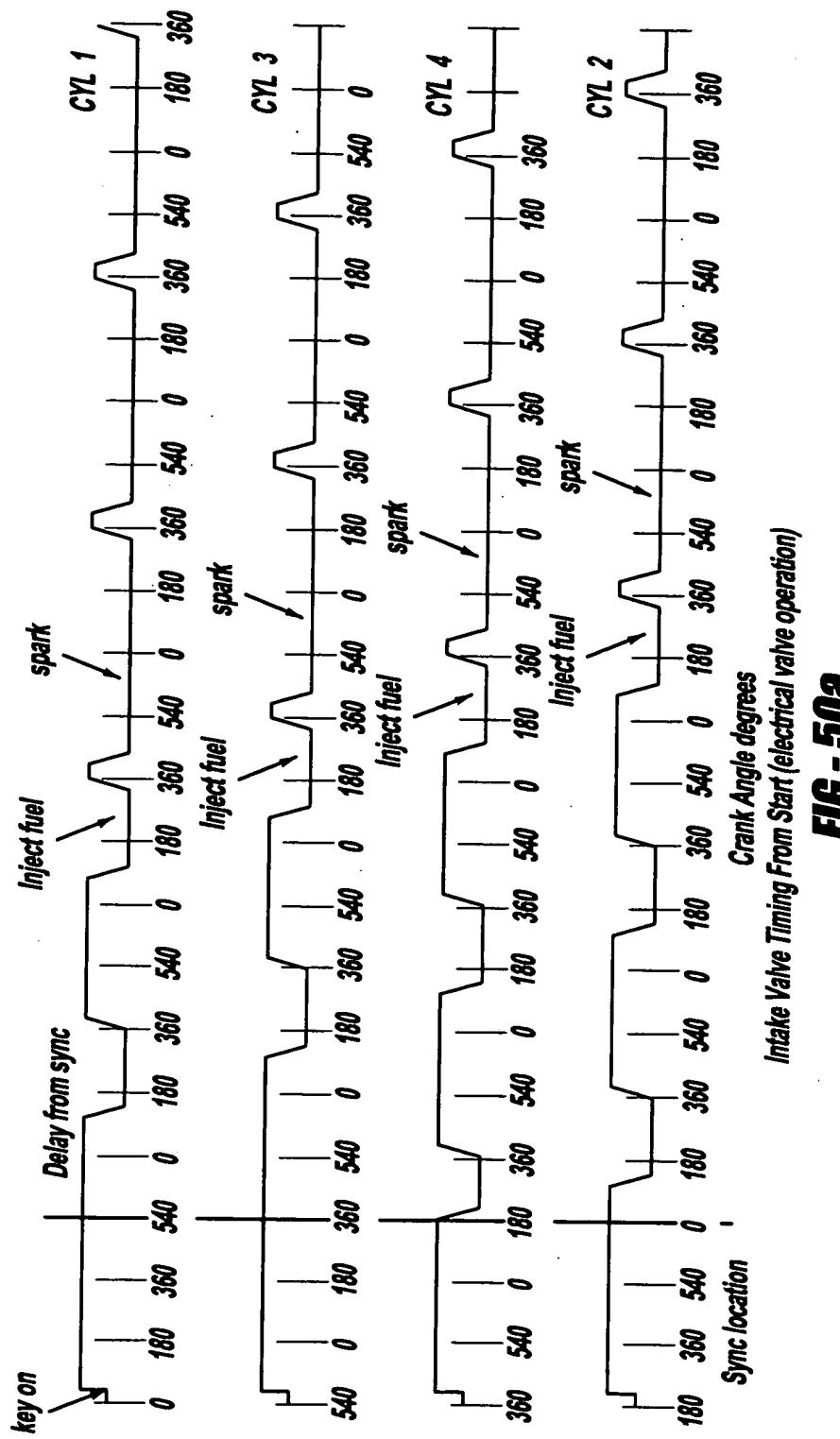
**FIG - 49a**

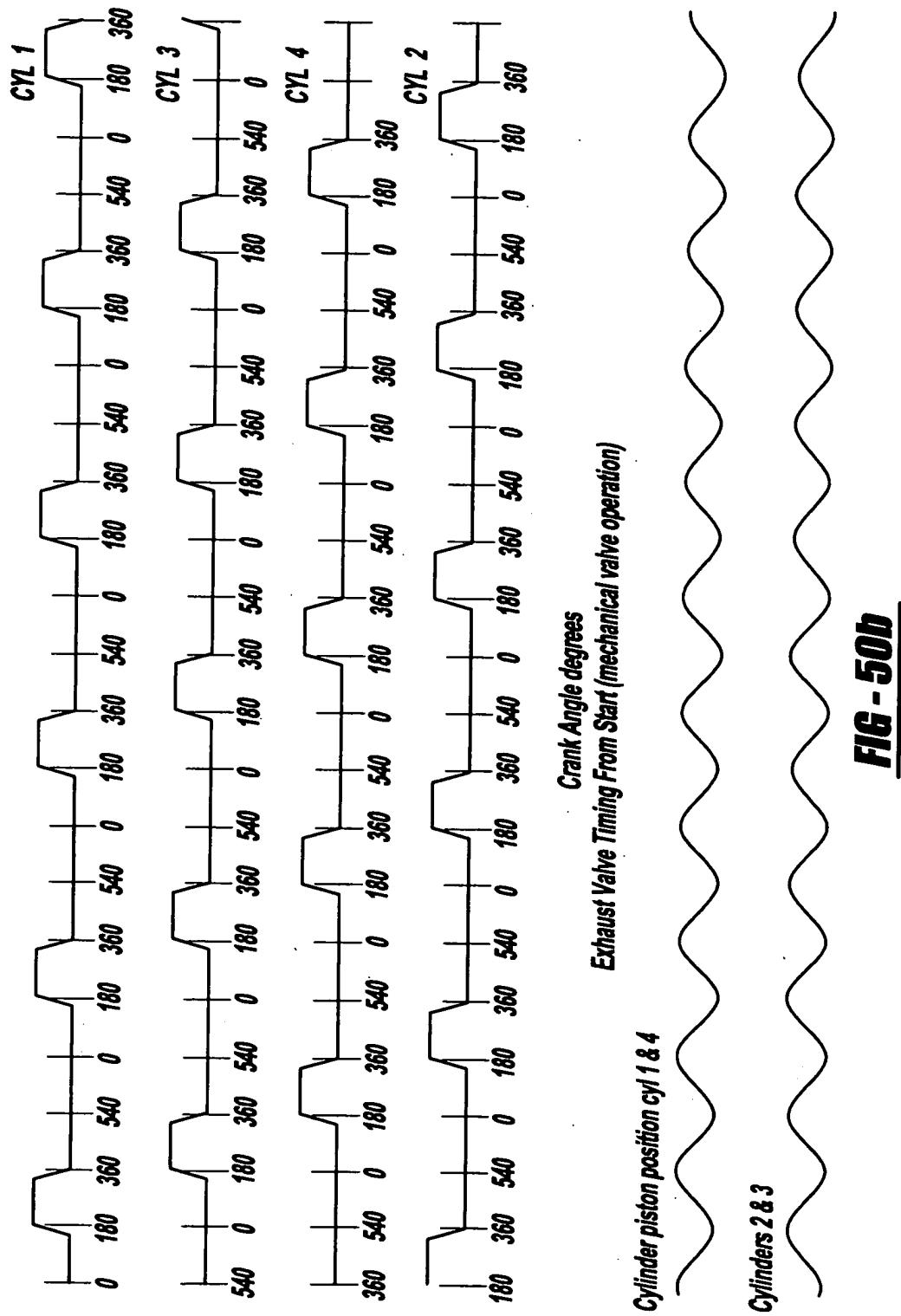
Intake Valve Timing From Start (electrical valve operation)

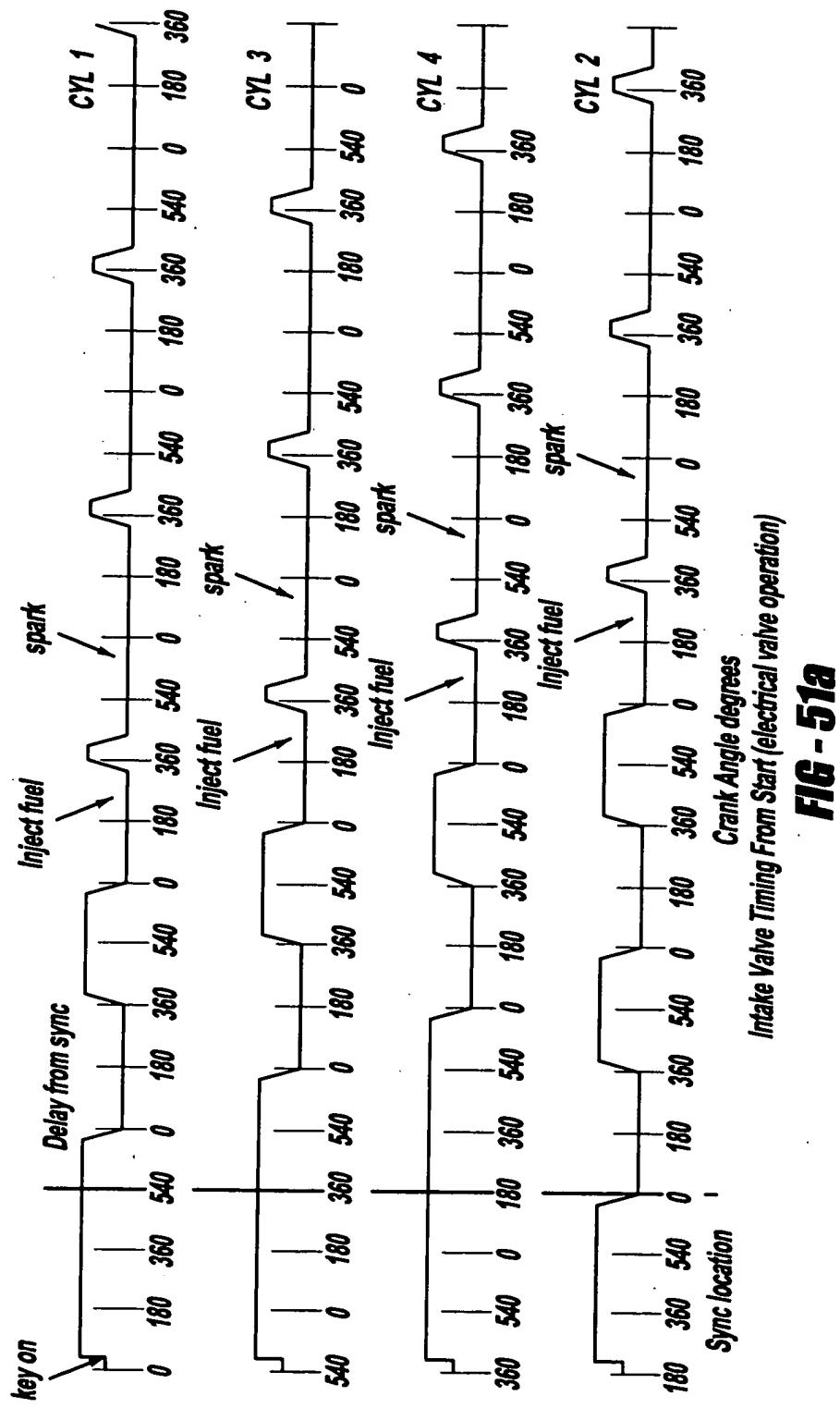
Sync location *Crank Angle degrees*

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**FIG - 50a**





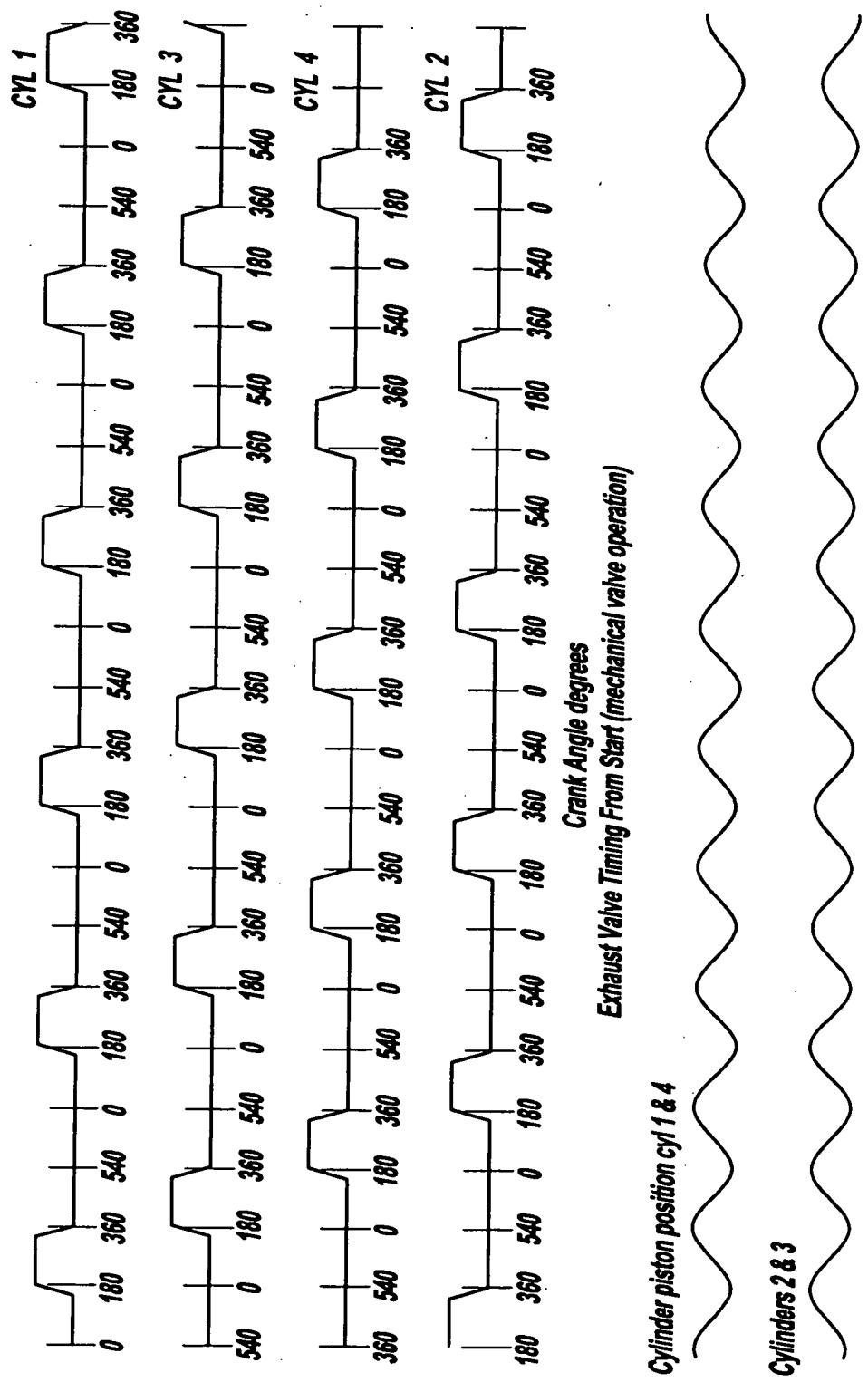
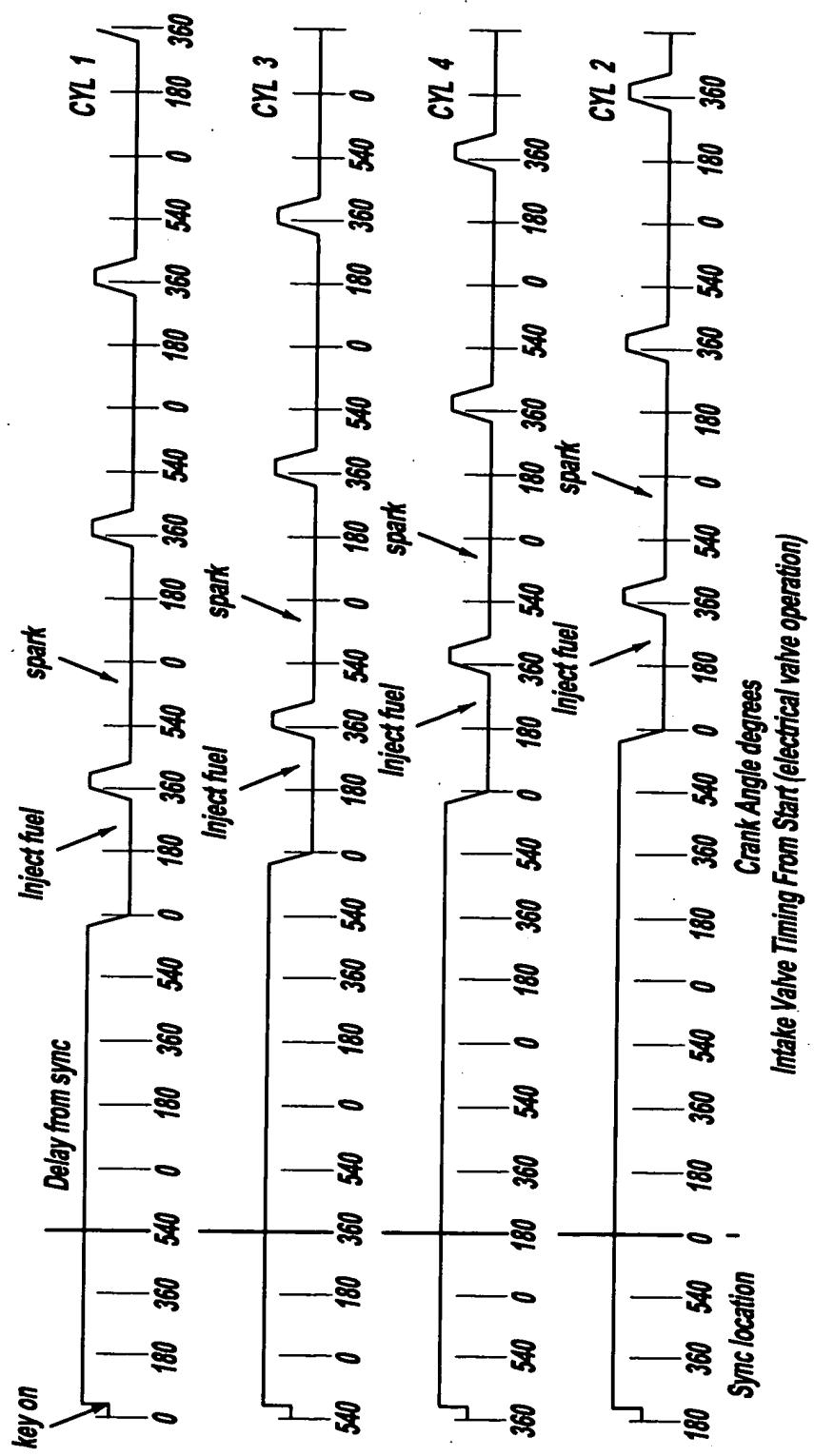
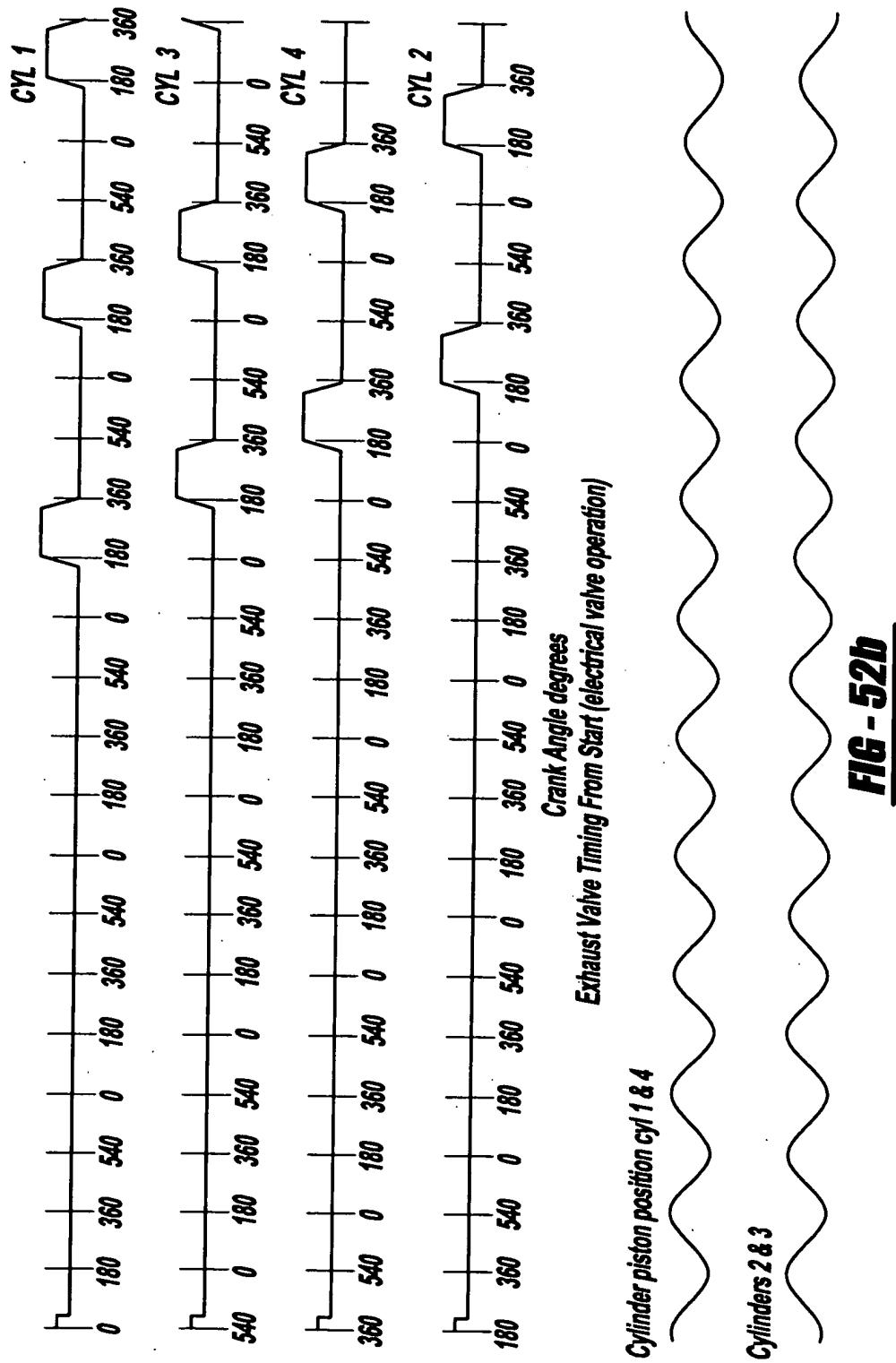
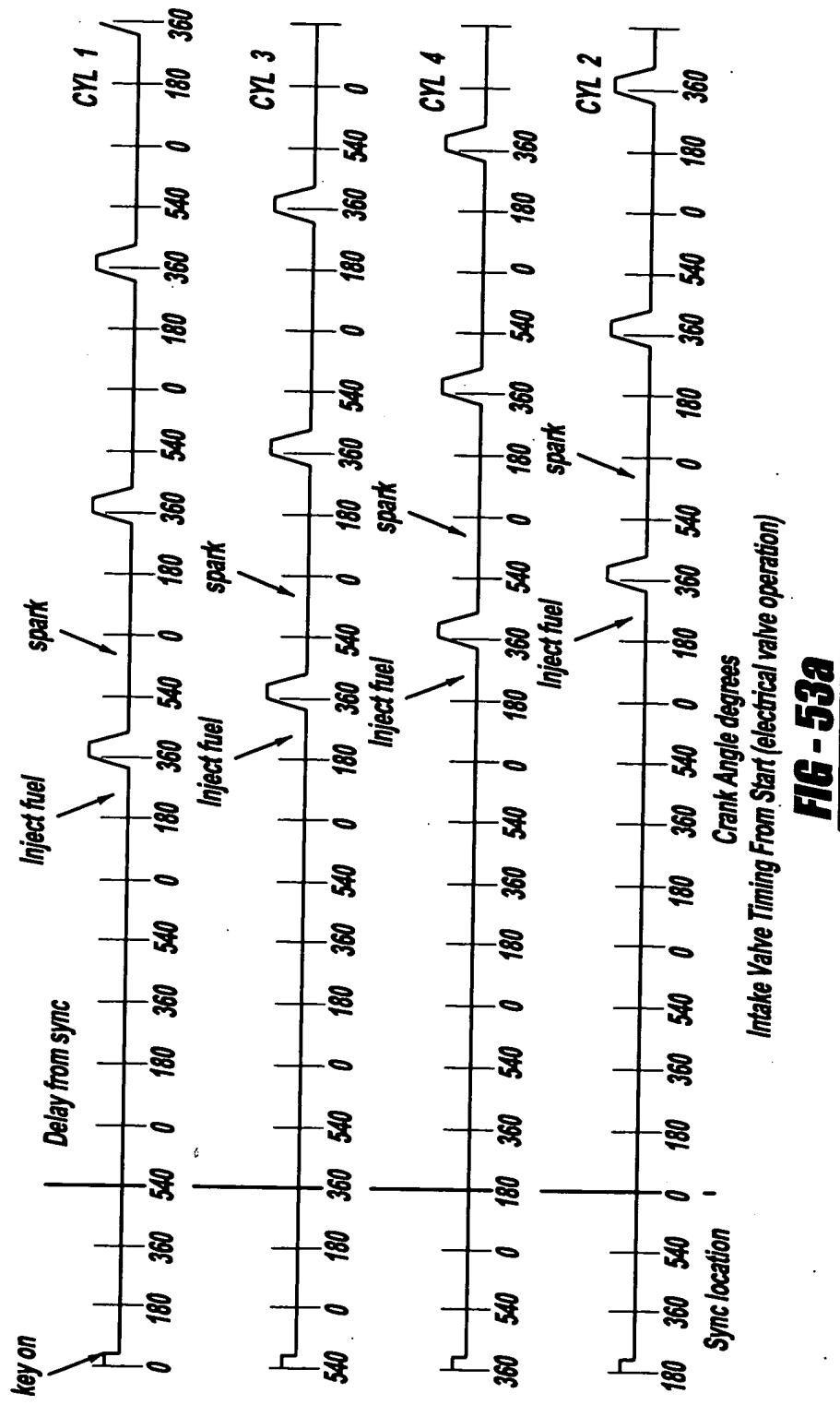
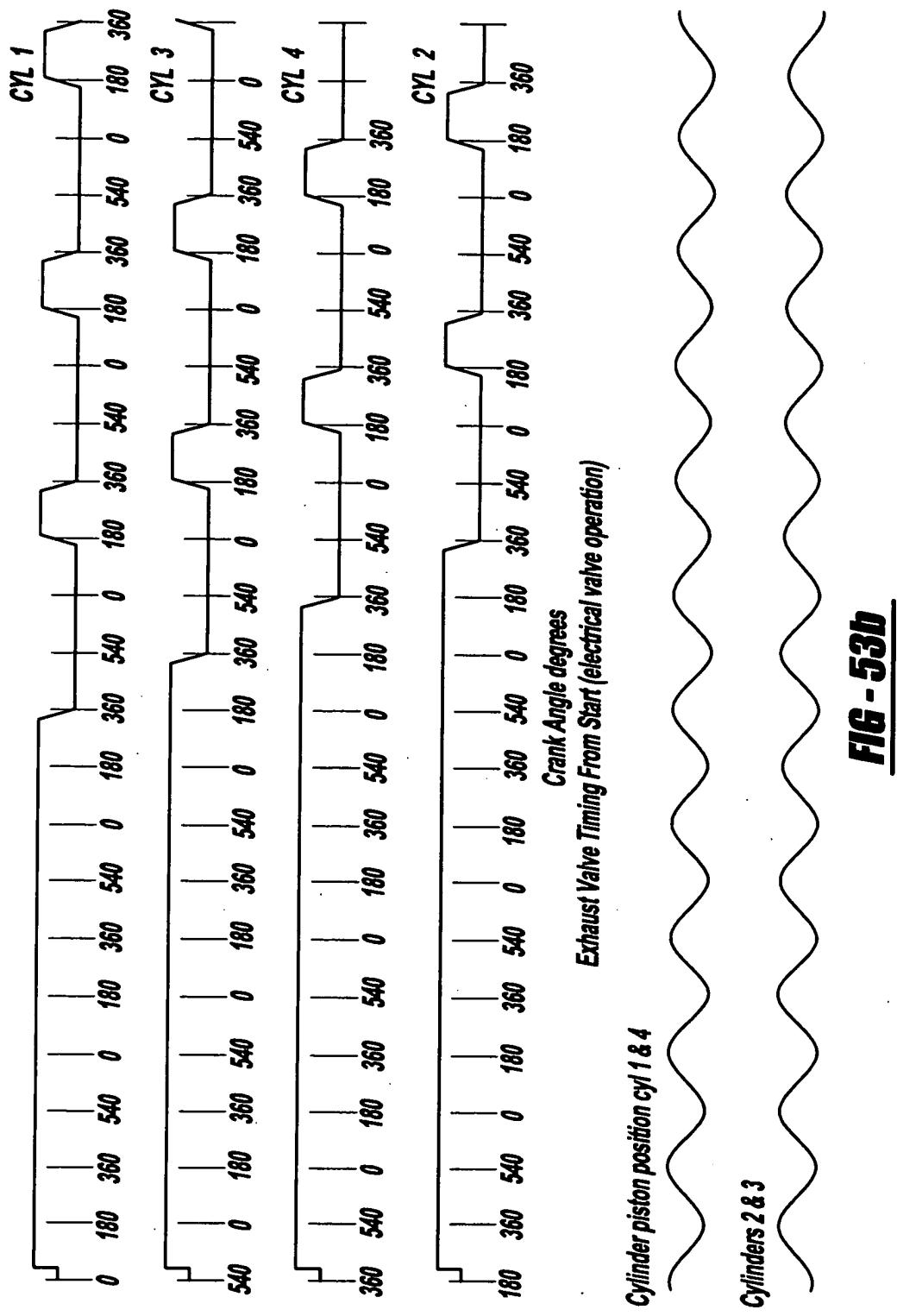


FIG - 51b

**FIG - 52a**







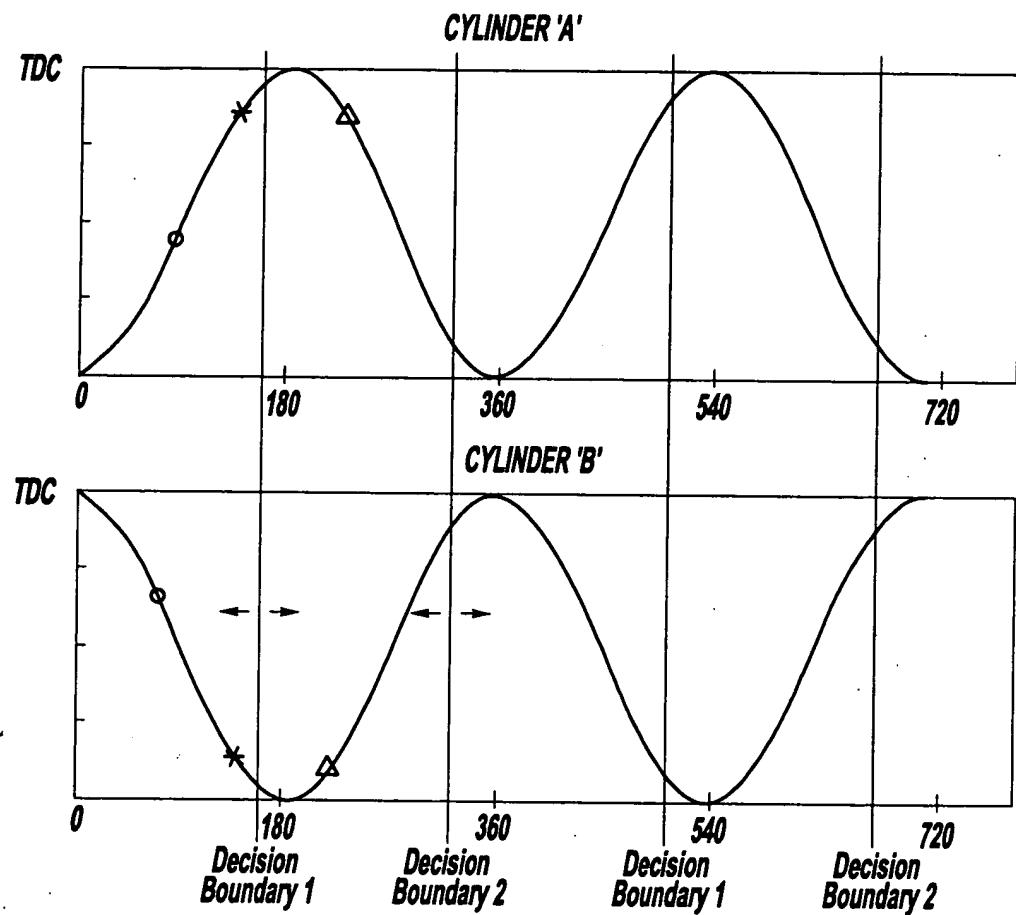
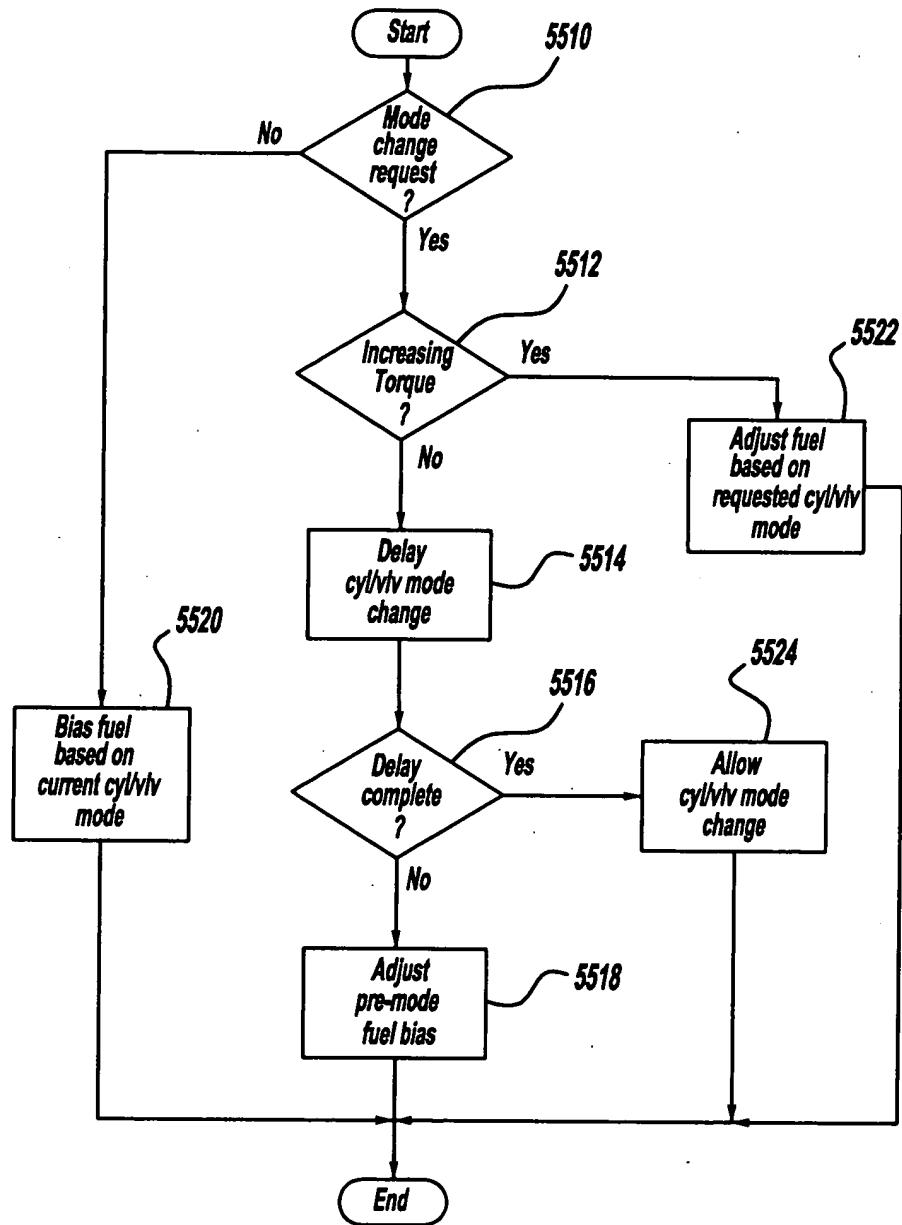


FIG - 54

**FIG - 55**